

FIG. 1

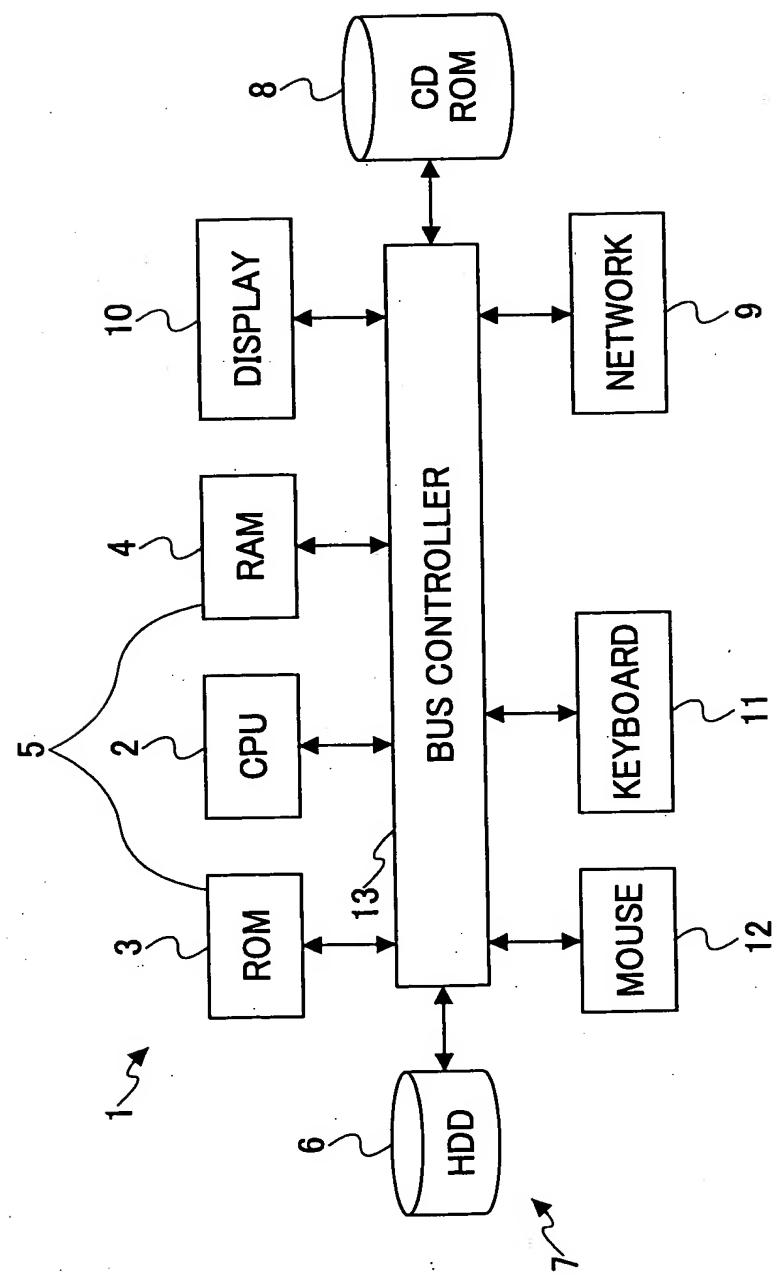


FIG.2 PRIOR ART

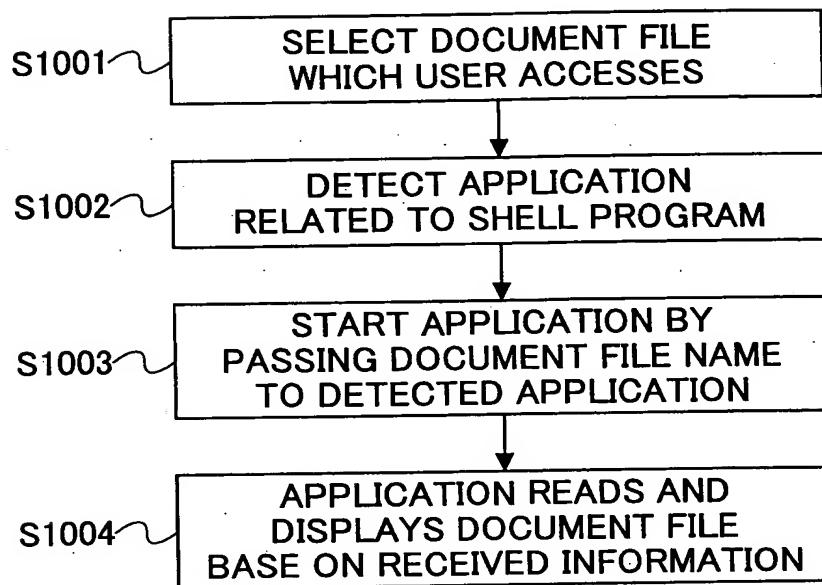


FIG.3

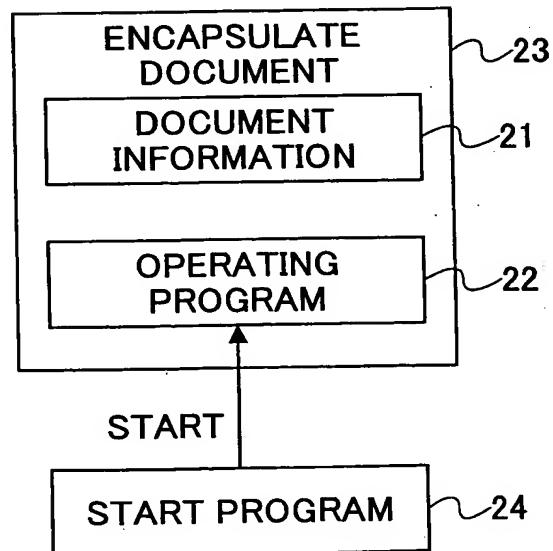


FIG.4

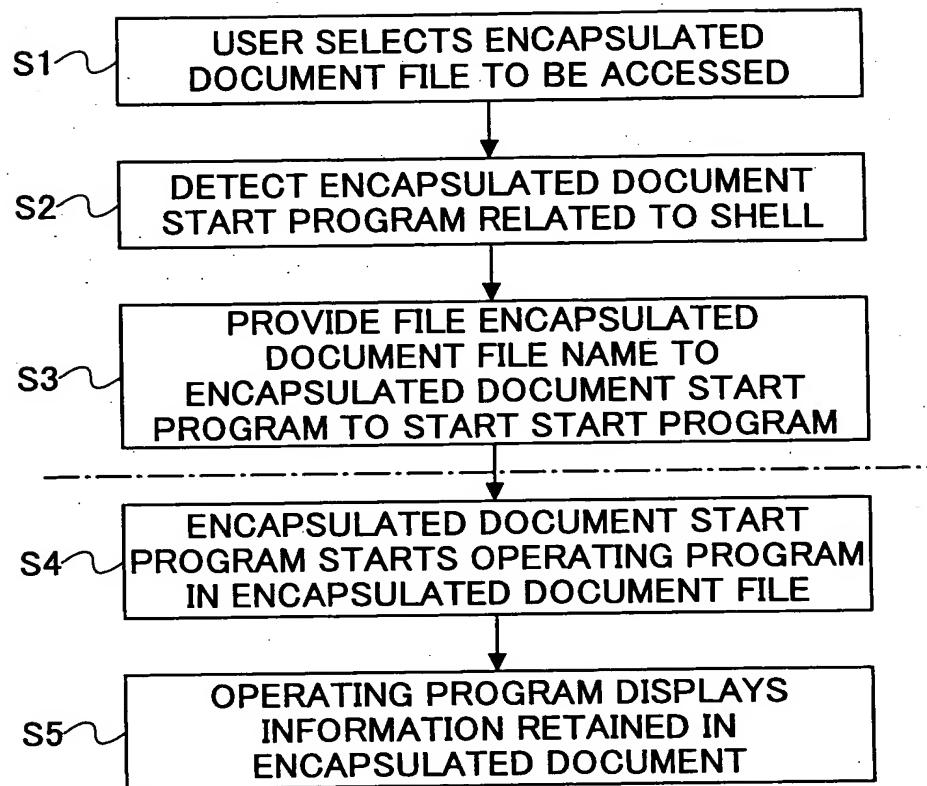


FIG.5

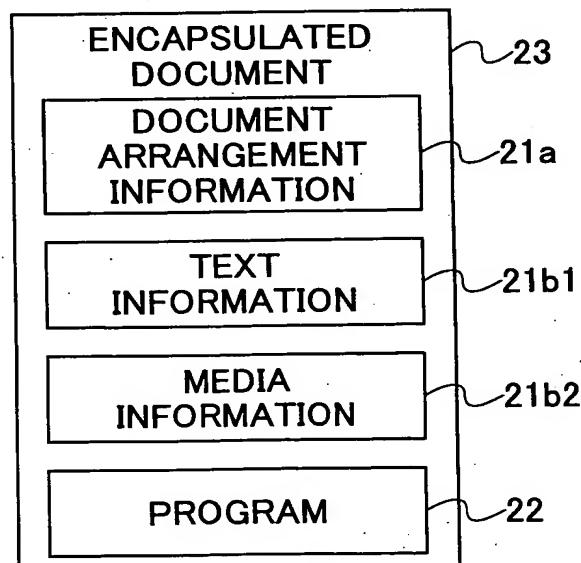


FIG.6

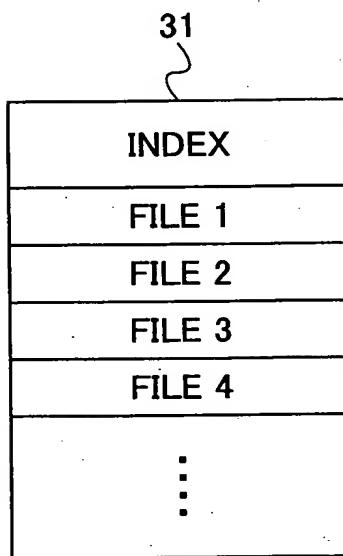


FIG.7

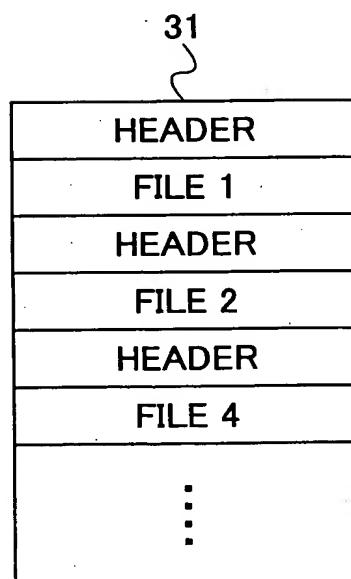


FIG.8

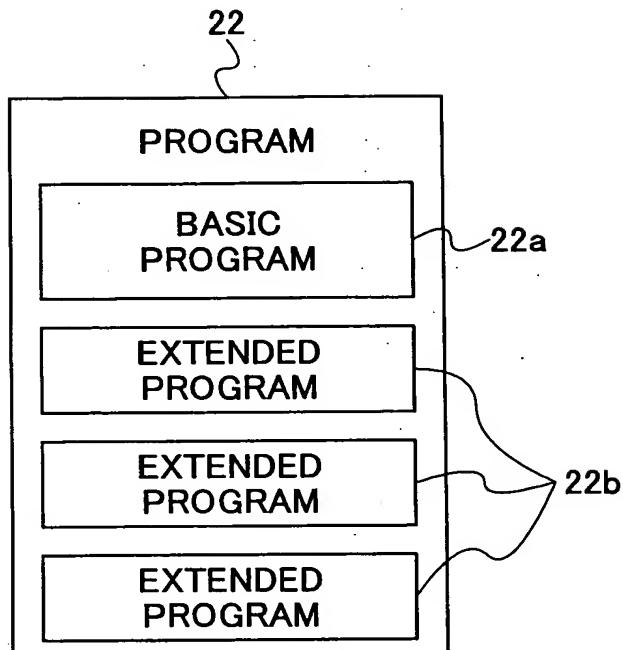


FIG.9

Table mapping operations to extended programs and corresponding tags:

OPERATION	EXTENDED PROGRAM	CORRESPONDING TAG
TEXT DISPLAY	TEXT PANEL	TEXT
STATIC IMAGE DISPLAY	IMAGE PANEL	IMAGE
DYNAMIC IMAGE DISPLAY	MOVIE PANEL	MOVIE
3D DISPLAY	3D PANEL	3D
⋮	⋮	⋮

Annotations: A wavy line labeled '41' connects the 'OPERATION' column to the first row. A wavy line labeled '43' connects the 'EXTENDED PROGRAM' column to the first row. A wavy line labeled '22b' connects the 'EXTENDED PROGRAM' column to the second row. A wavy line labeled '22b1' connects the 'EXTENDED PROGRAM' column to the third row. A wavy line labeled '42' connects the 'CORRESPONDING TAG' column to the third row. A wavy line labeled '22b2' connects the 'OPERATION' column to the fourth row. A wavy line labeled '22b3' connects the 'EXTENDED PROGRAM' column to the fourth row. A wavy line labeled '22b4' connects the 'CORRESPONDING TAG' column to the fourth row.

FIG.10

```
<DOCUMENT> TAG
<TEXT> MINUTES <TEXT/> ELEMENT CONTENTS
<TEXT FILE="TEXT.TEXT"/> ATTRIBUTE
<IMAGE FILE="IMAGE.JPG" X="100" Y="10"
  WIDTH="100" HEIGHT="100"/>
</DOCUMENT>
```

FIG.11

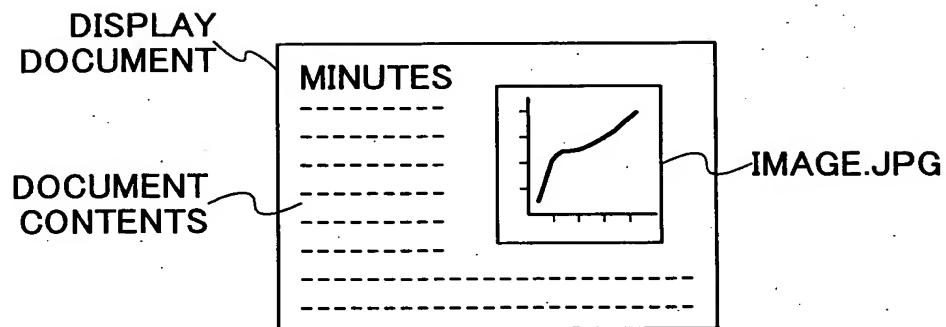


FIG.12

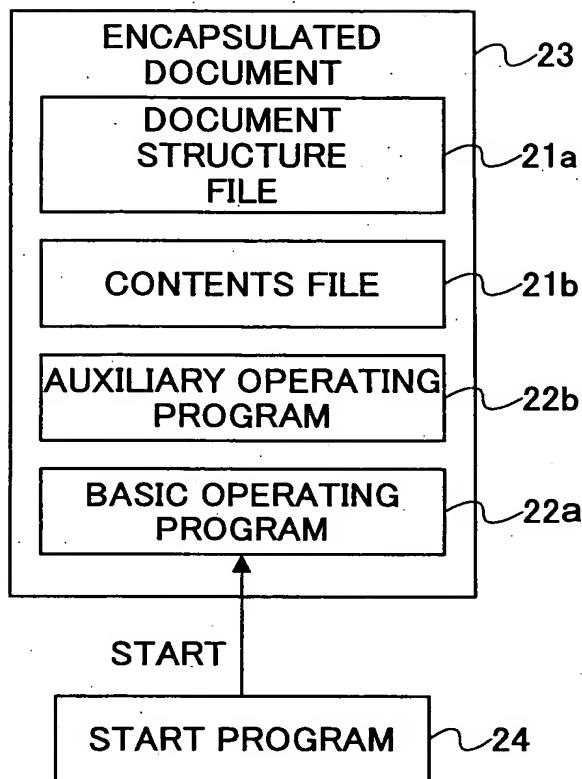


FIG.13

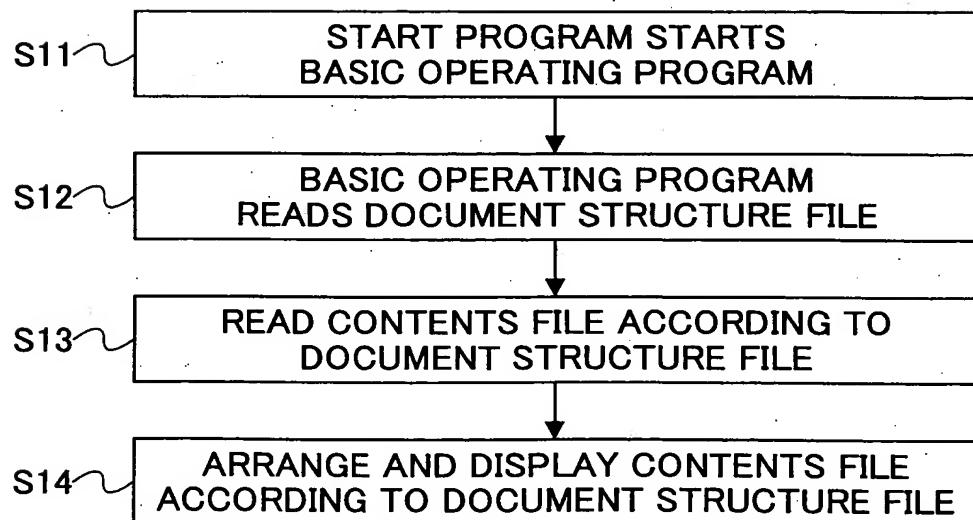


FIG.14

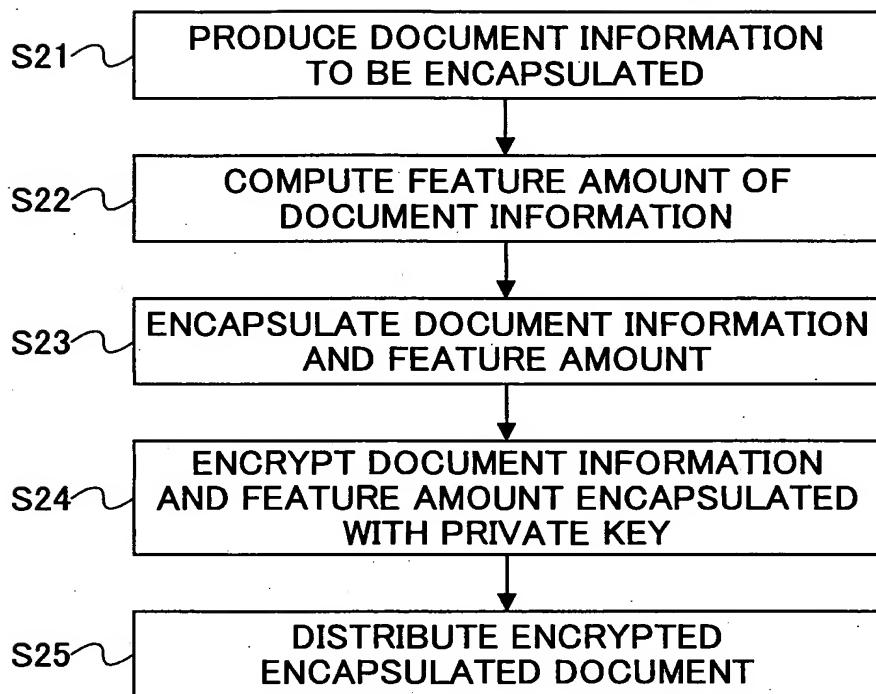


FIG.15

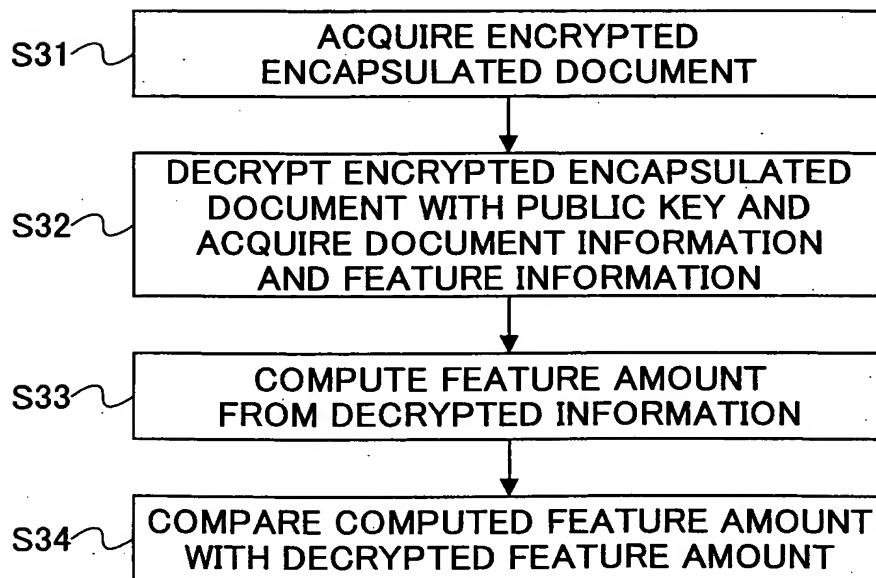


FIG.16

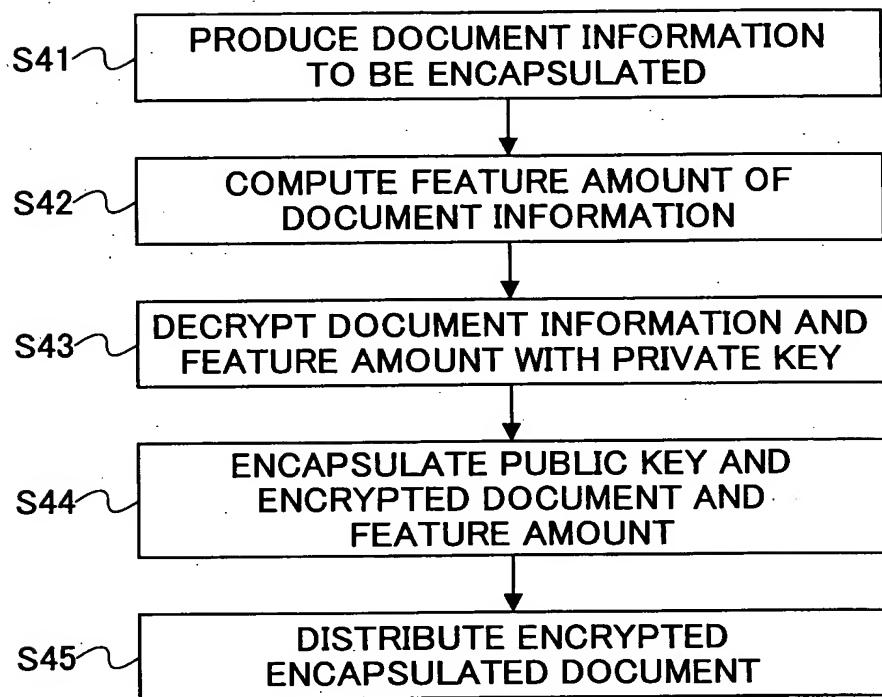


FIG.17

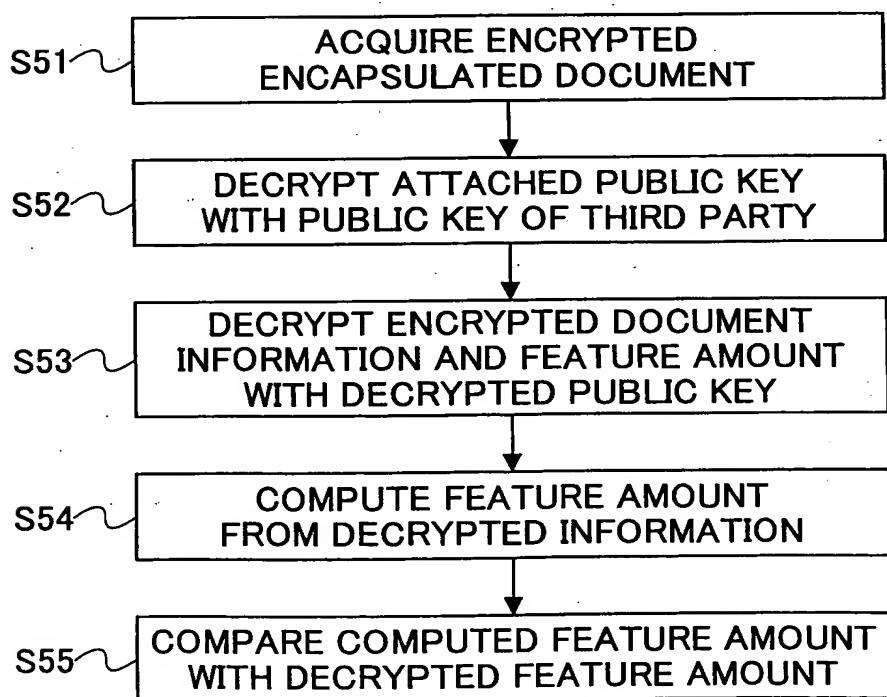


FIG.18

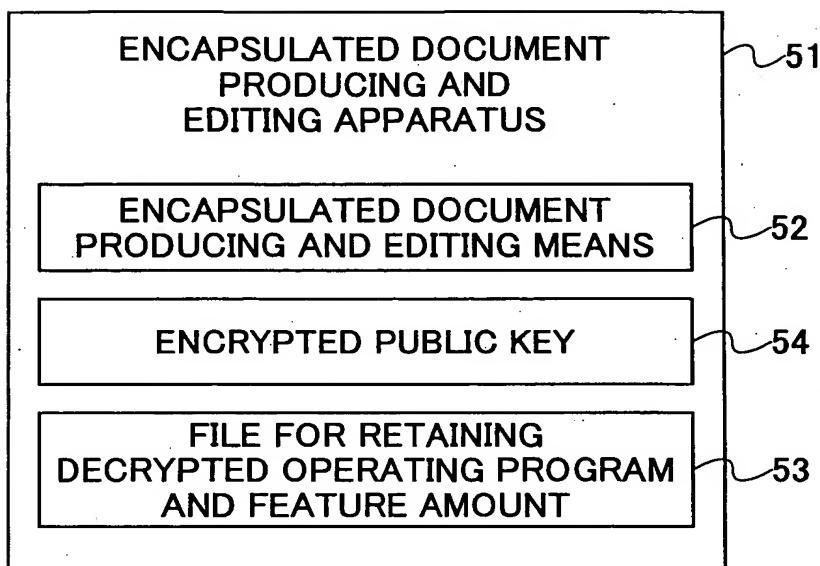


FIG.19

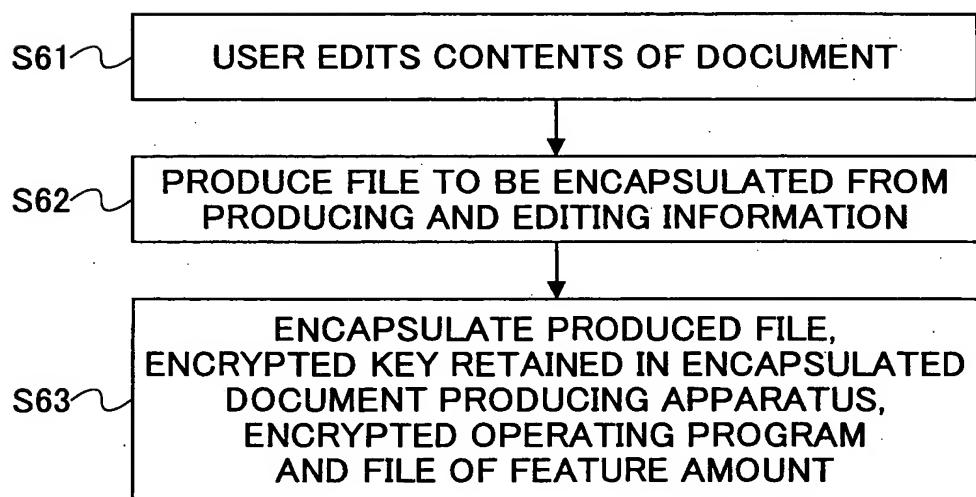


FIG.20

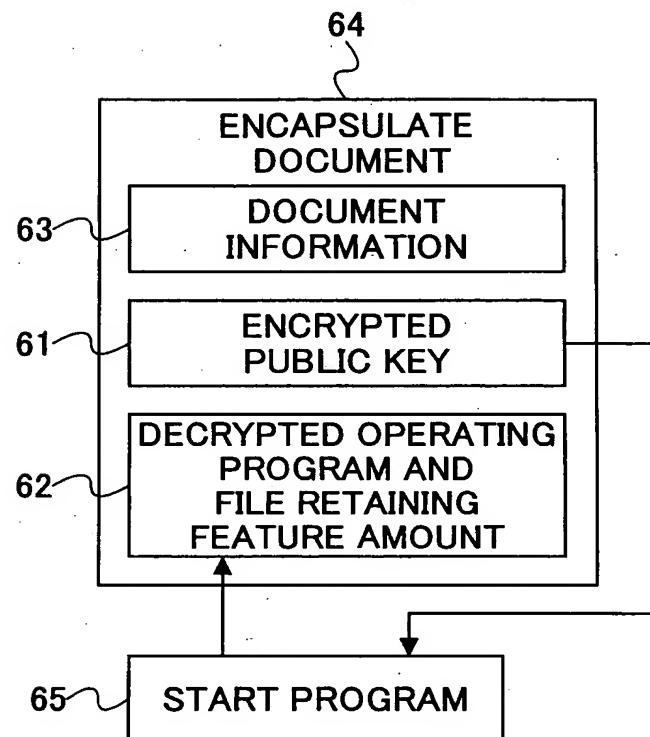


FIG.21

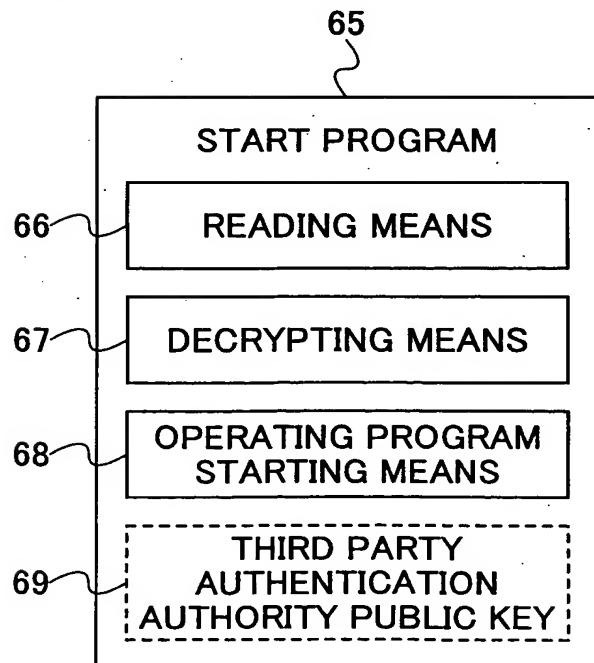


FIG.22

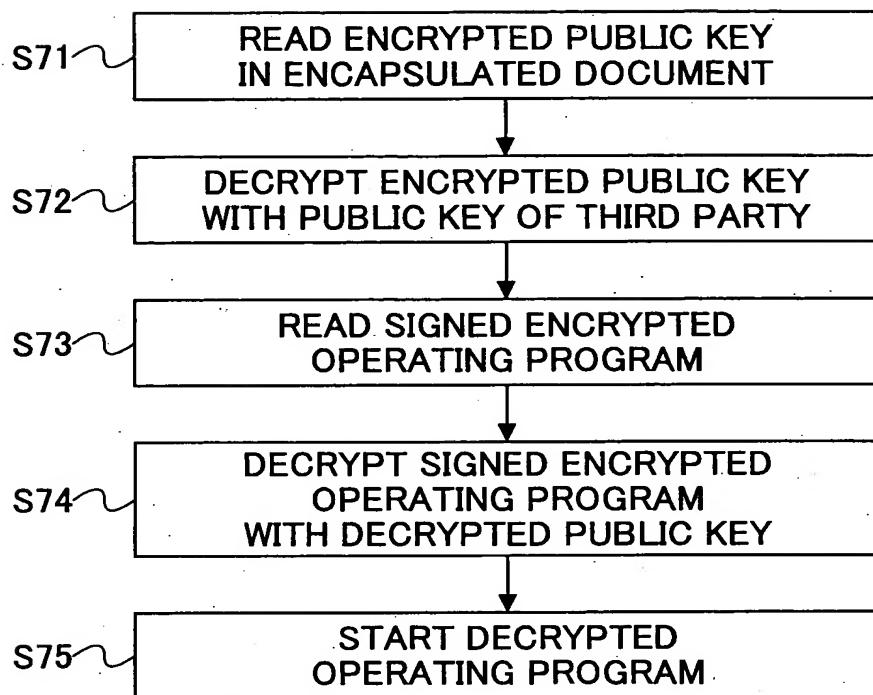


FIG.23

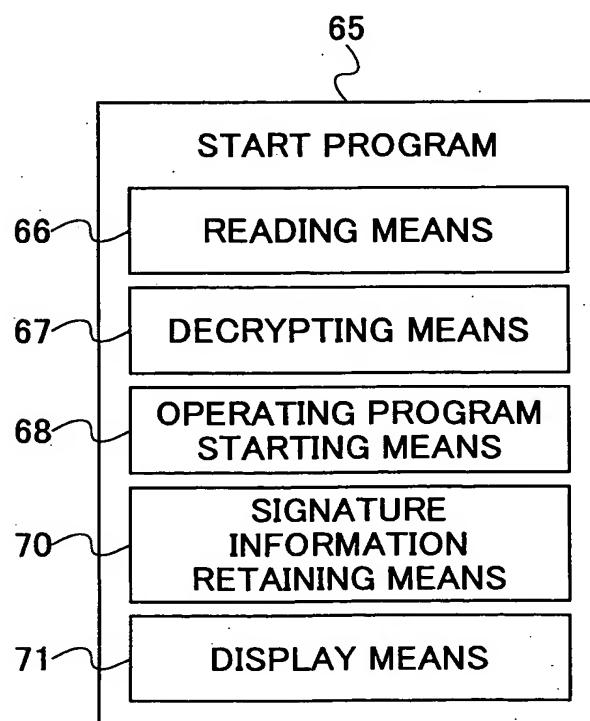


FIG.24

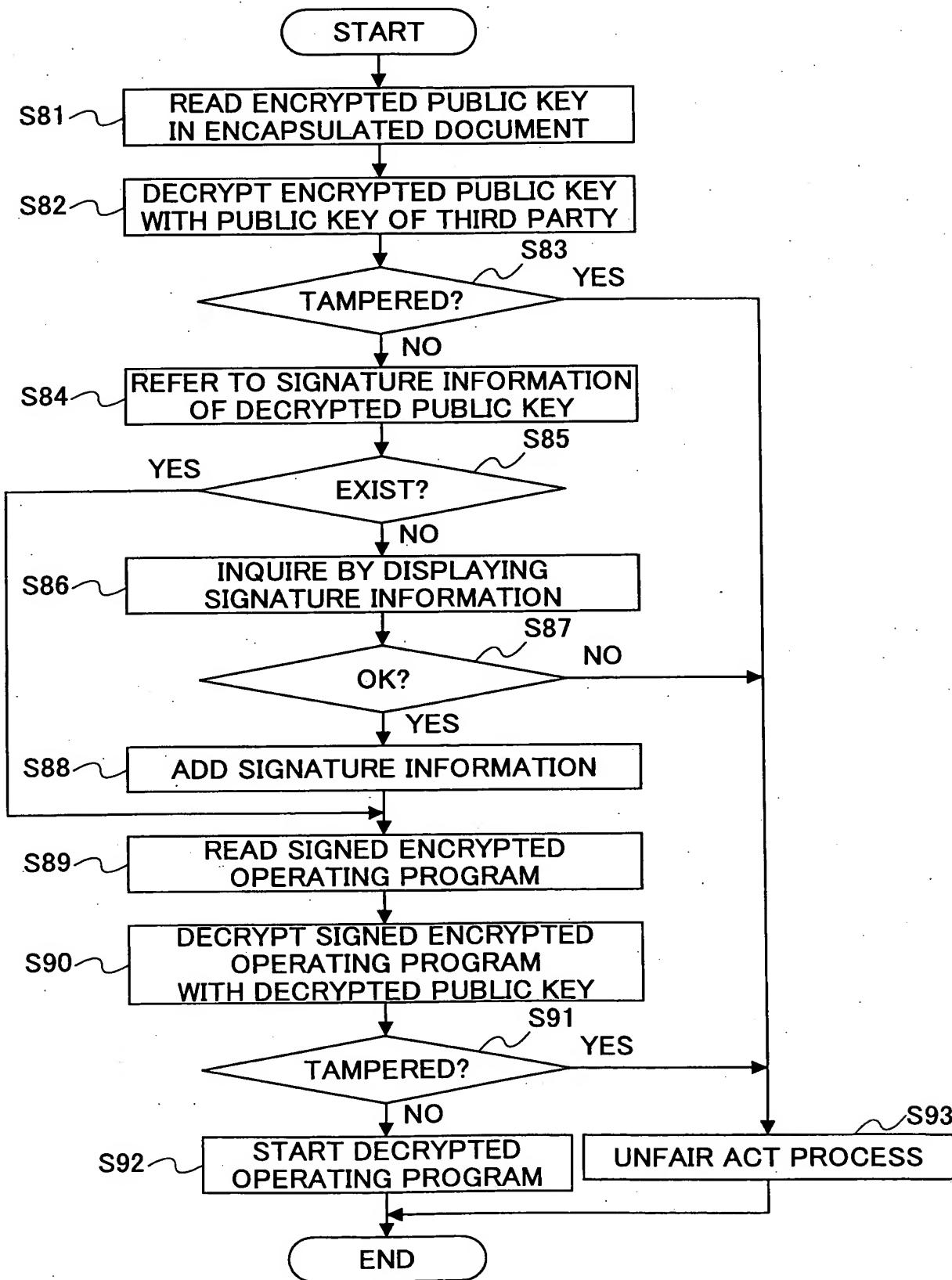


FIG.25

KINDS OF OPERATION RIGHTS	MODES OF OPERATION RIGHTS				
READ FILE IN ENCAPSULATED DOCUMENT	x	o	o	o	
READ FILE IN COMPUTER	x	x	o	o	
READ AND WRITE FILE IN ENCAPSULATED DOCUMENT	x	x	x	o	
READ AND WRITE FILE IN COMPUTER	x	x	x	x
RECEIVE PACKET OF NETWORK	x	x	x	x	
TRANSMIT PACKET OF NETWORK	x	x	x	x	
.....					

FIG.26

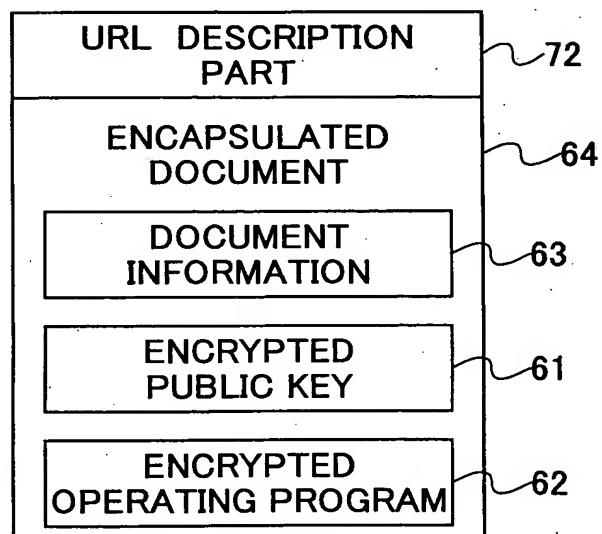


FIG.27

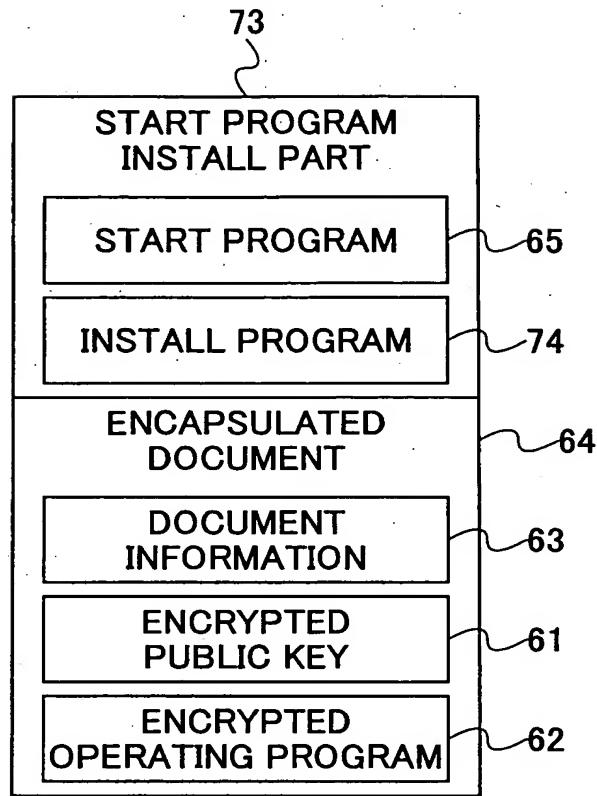


FIG.28

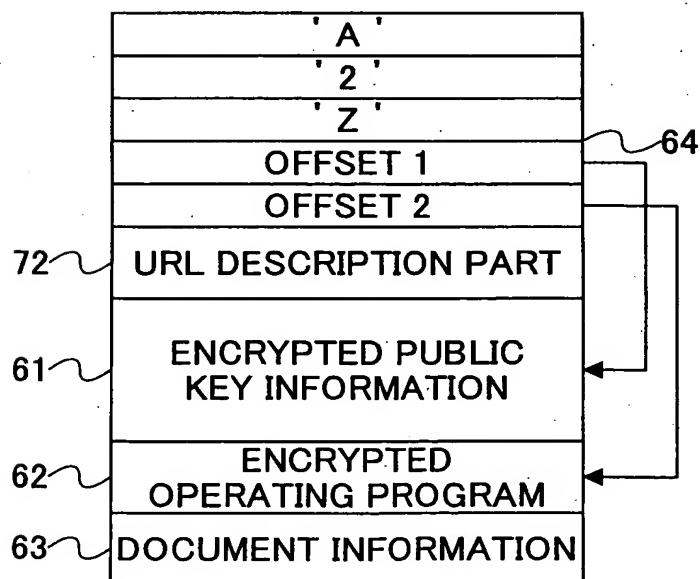


FIG.29

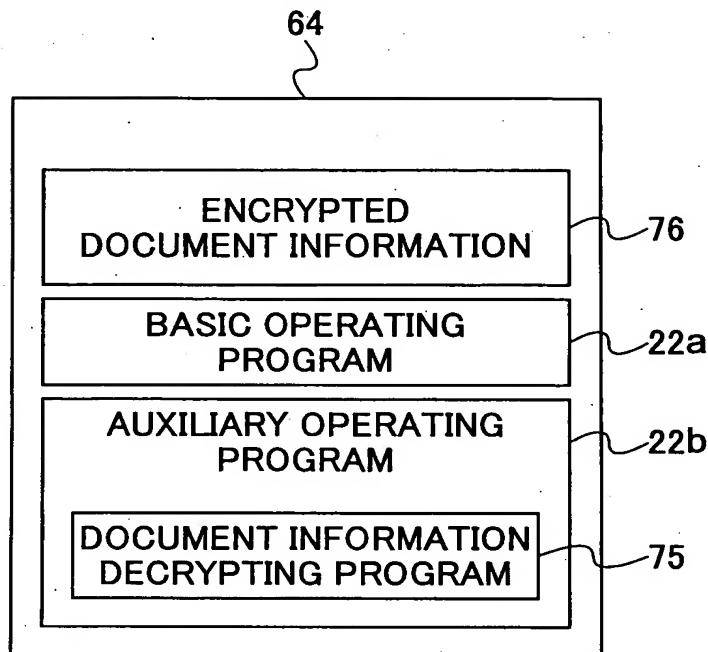


FIG.30

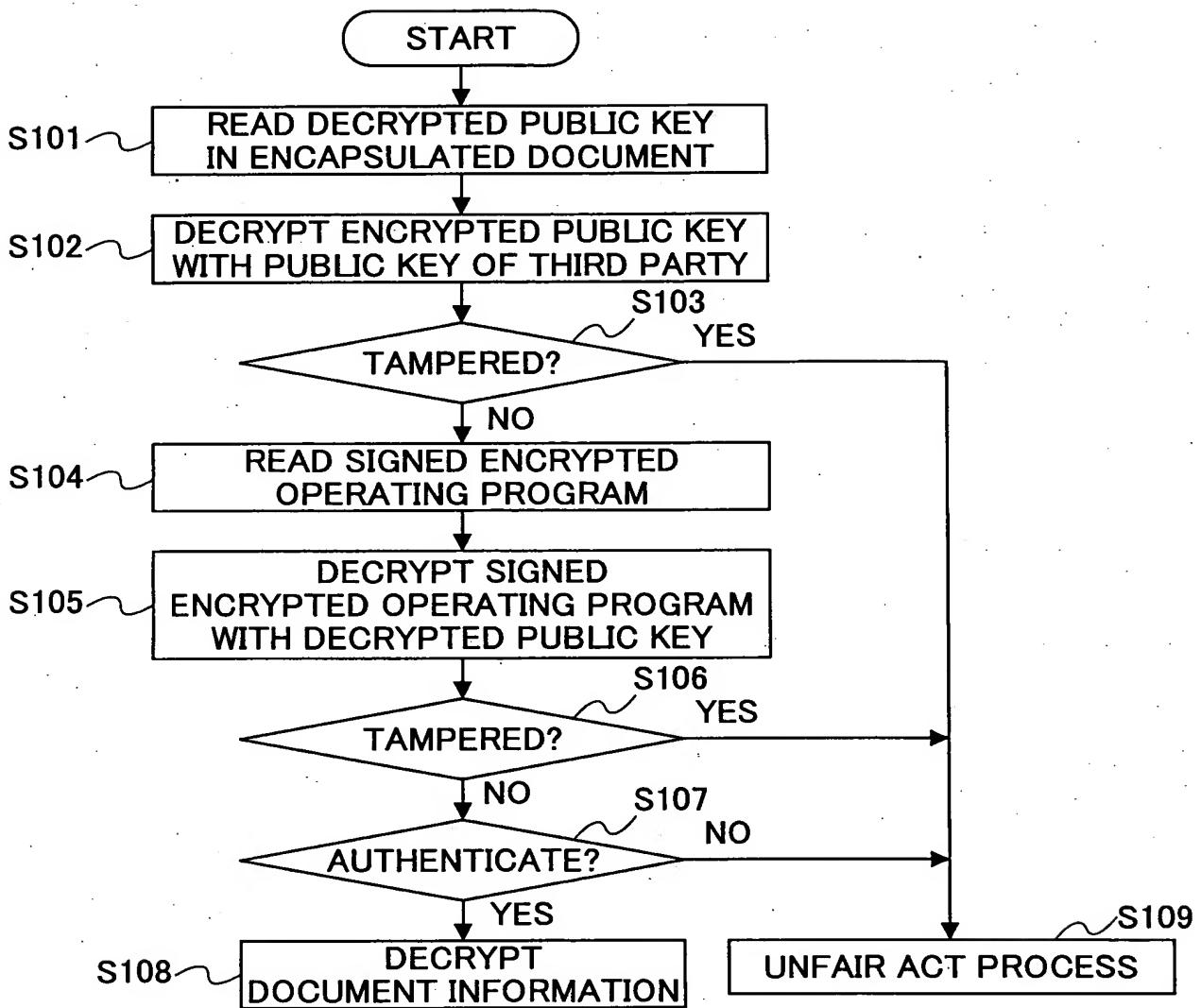


FIG.31

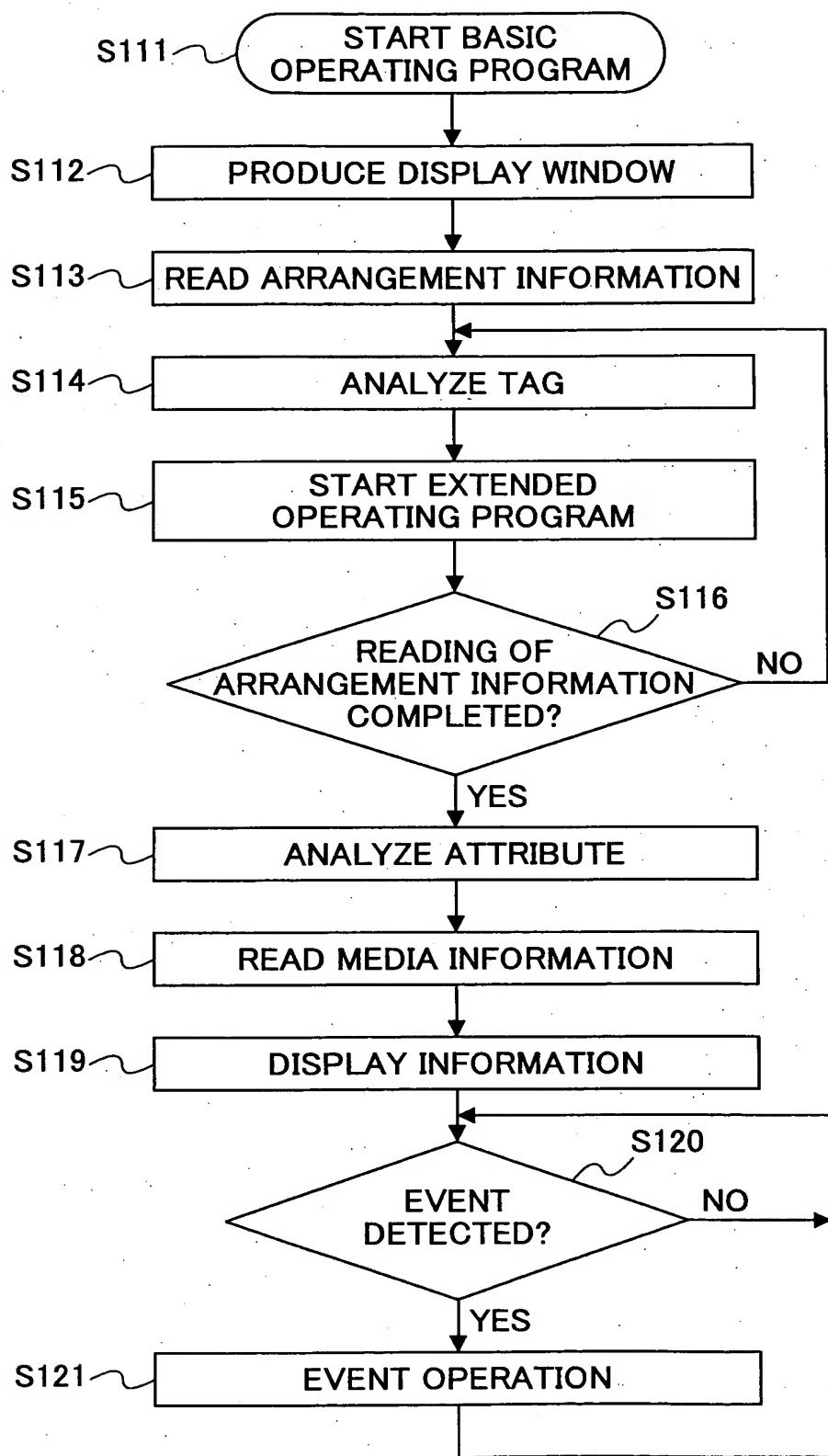


FIG.32

KINDS OF MEDIA	EXTENDED OPERATING PROGRAM
MOTION JPEG	MJ PANEL
MPEG 2	MP PANEL
WINDOWSAV1	AV PANEL
⋮	⋮

FIG.33

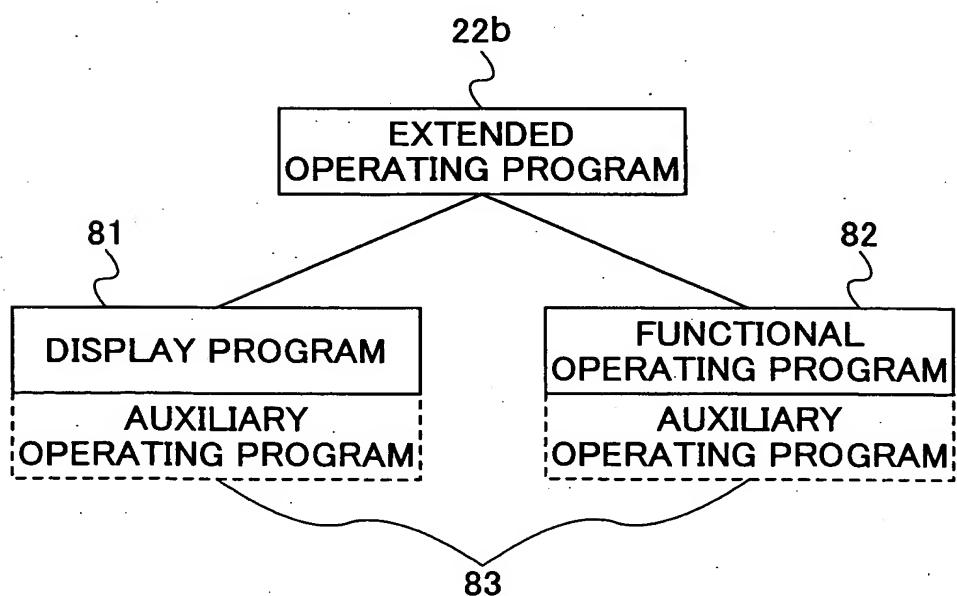


FIG.34

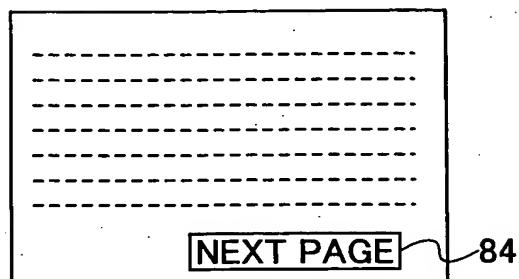


FIG.35

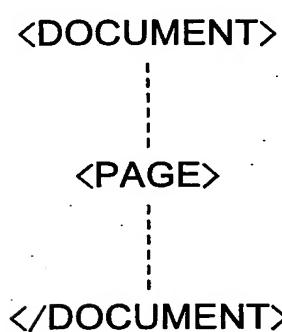


FIG.36

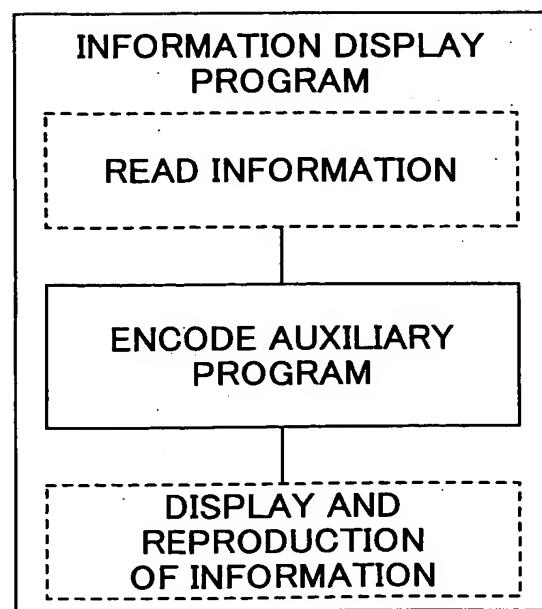


FIG.37

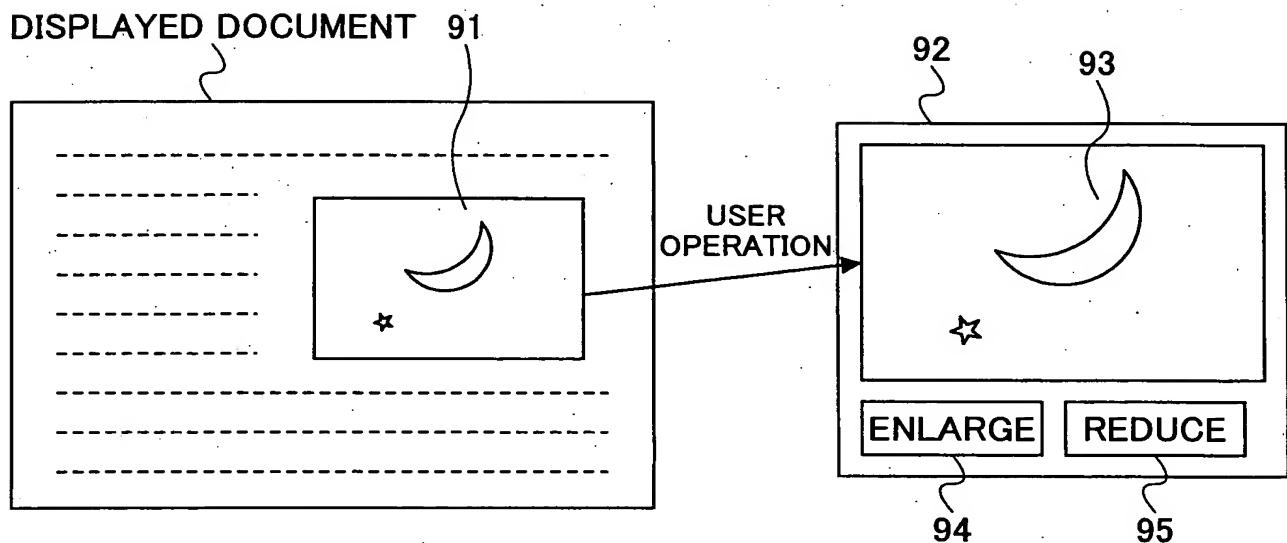


FIG.38

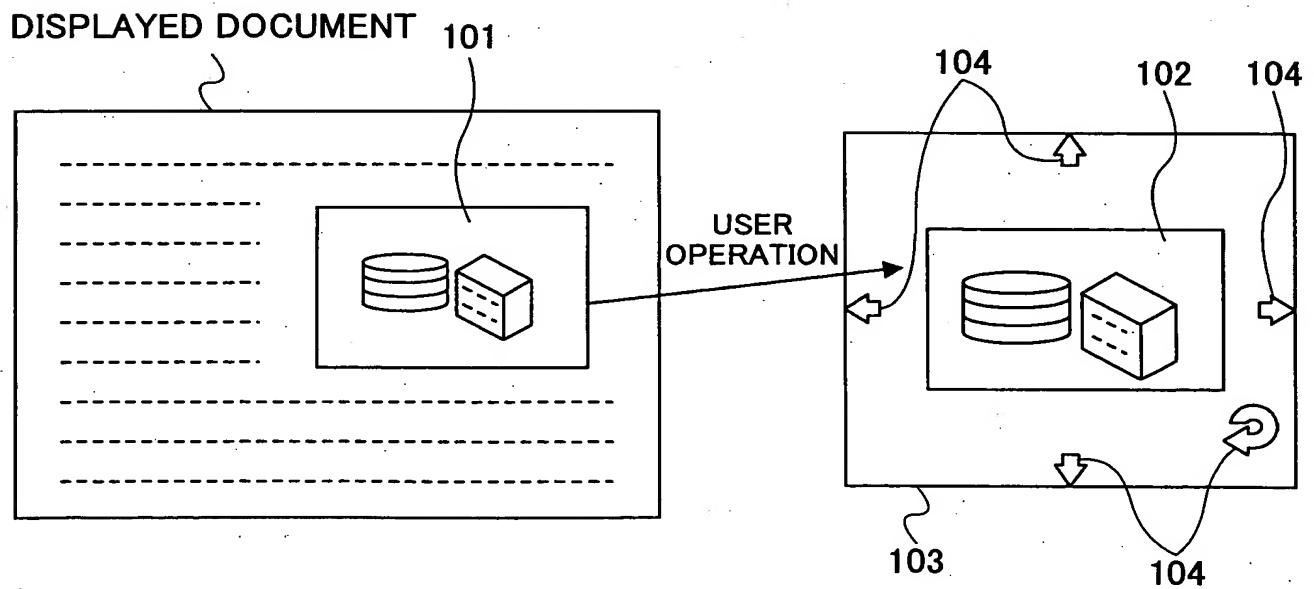


FIG.39

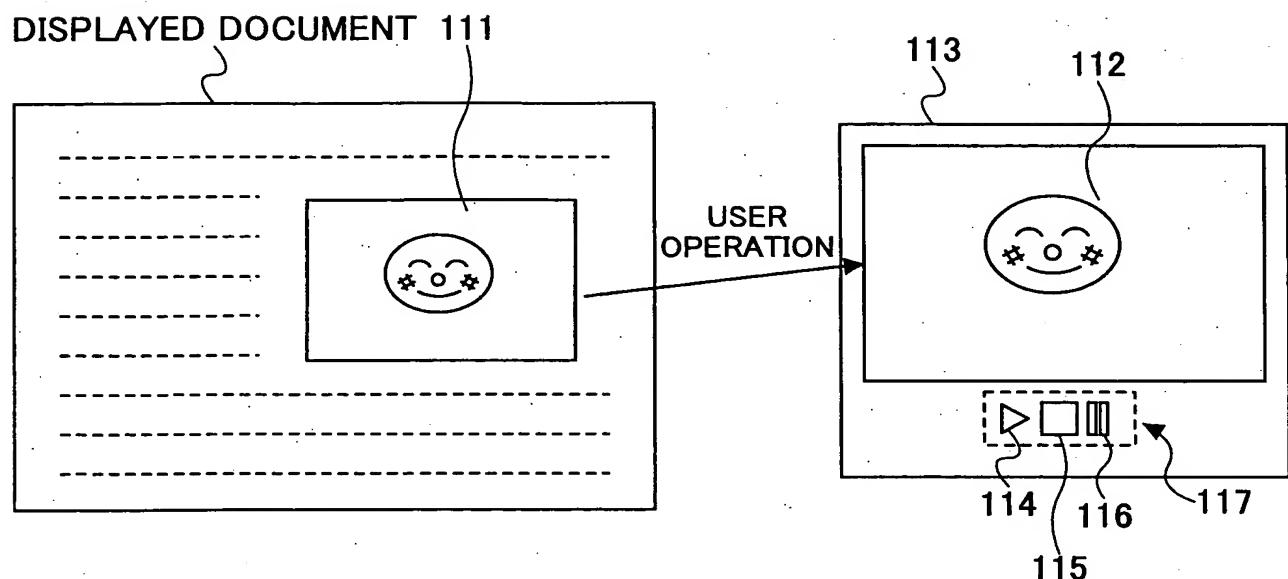


FIG.40

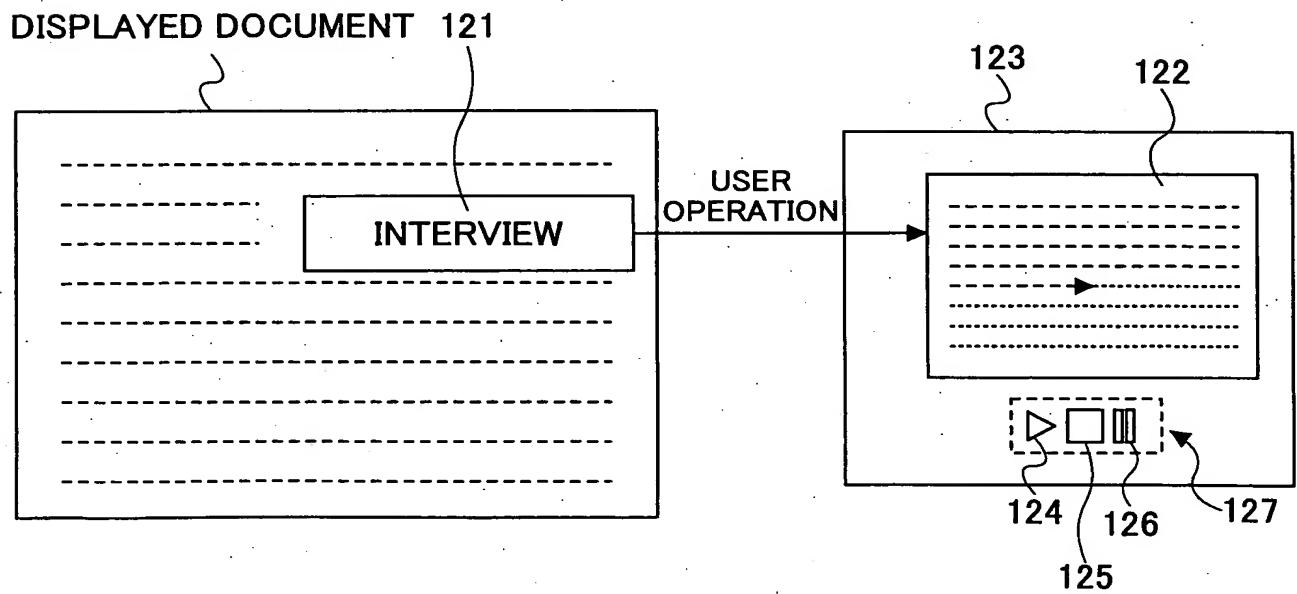


FIG.41

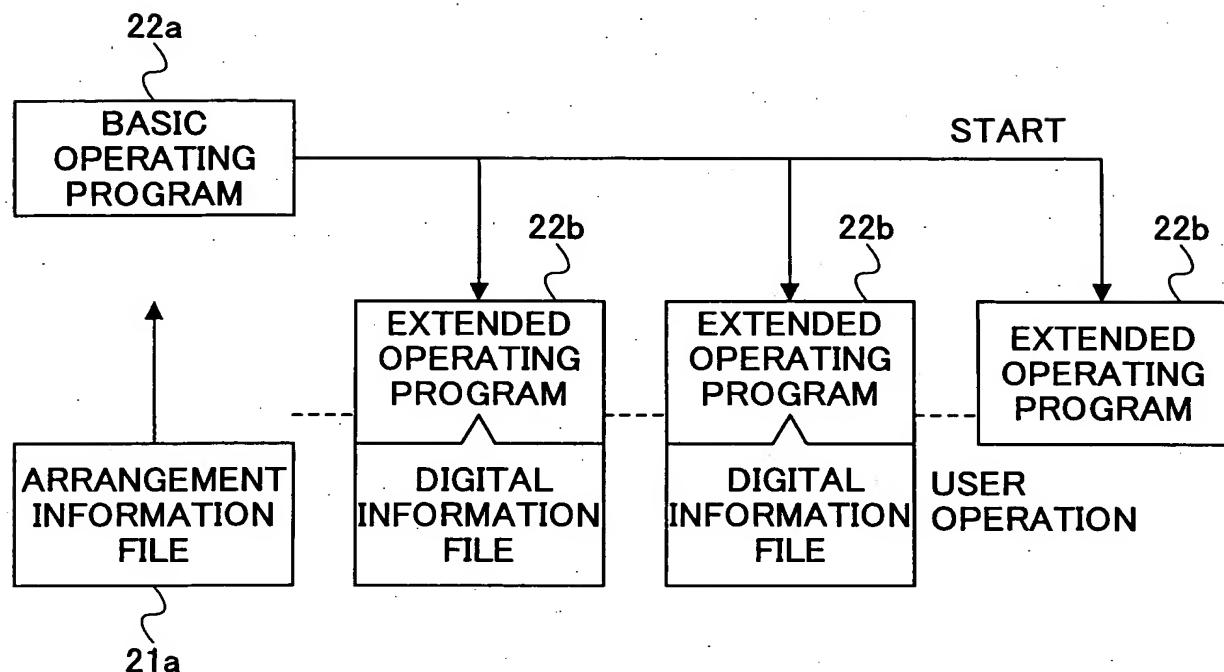


FIG.42

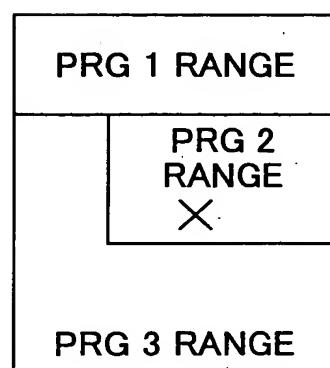


FIG.43

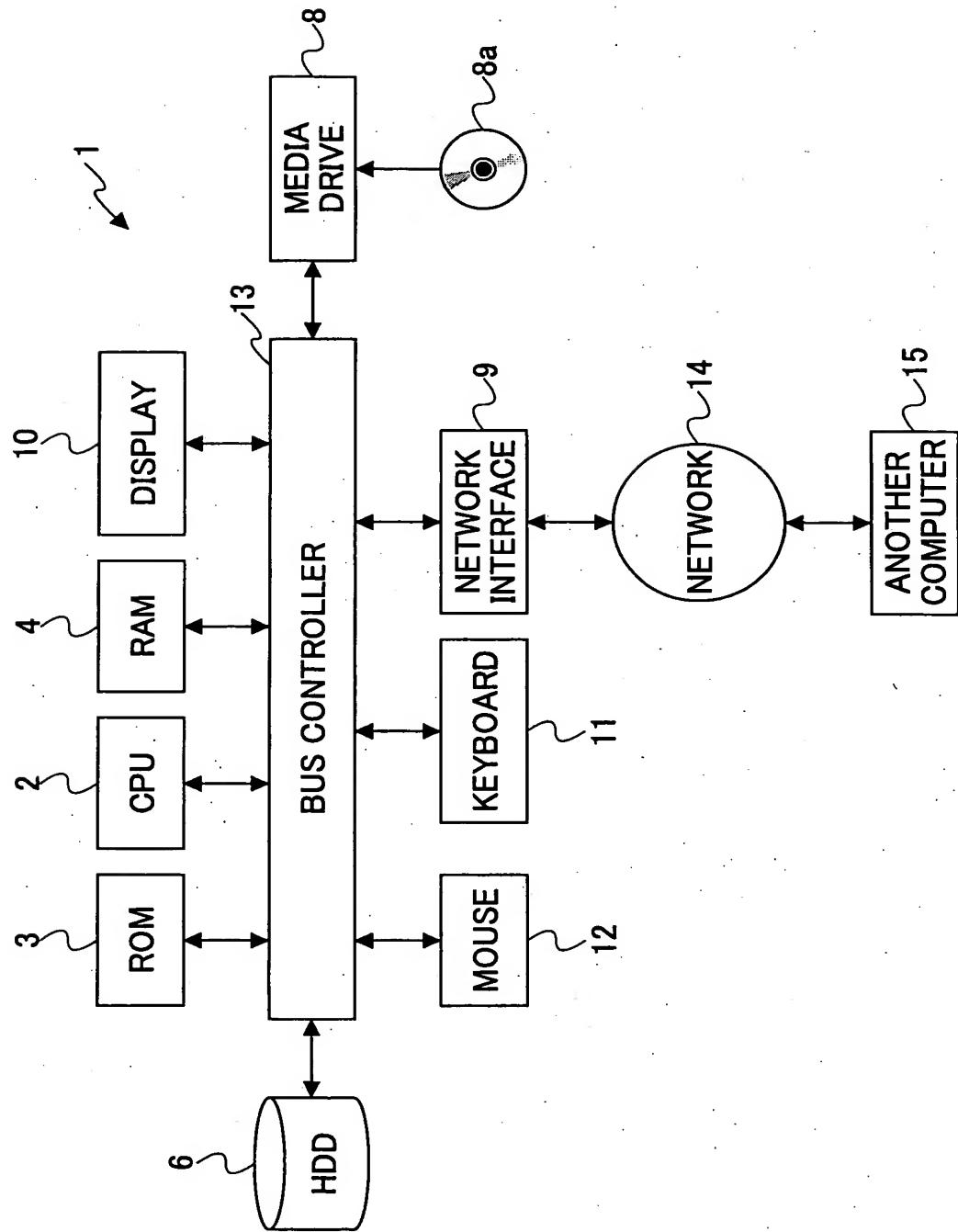


FIG.44

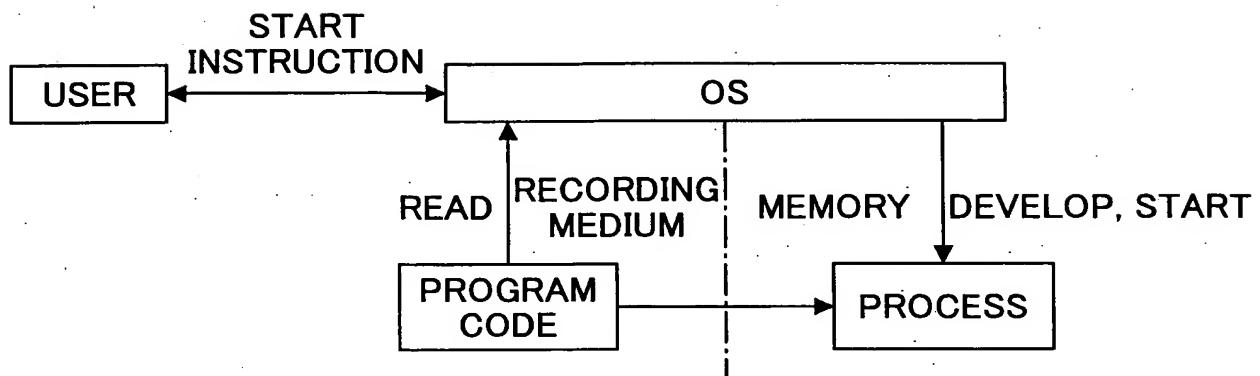


FIG.45

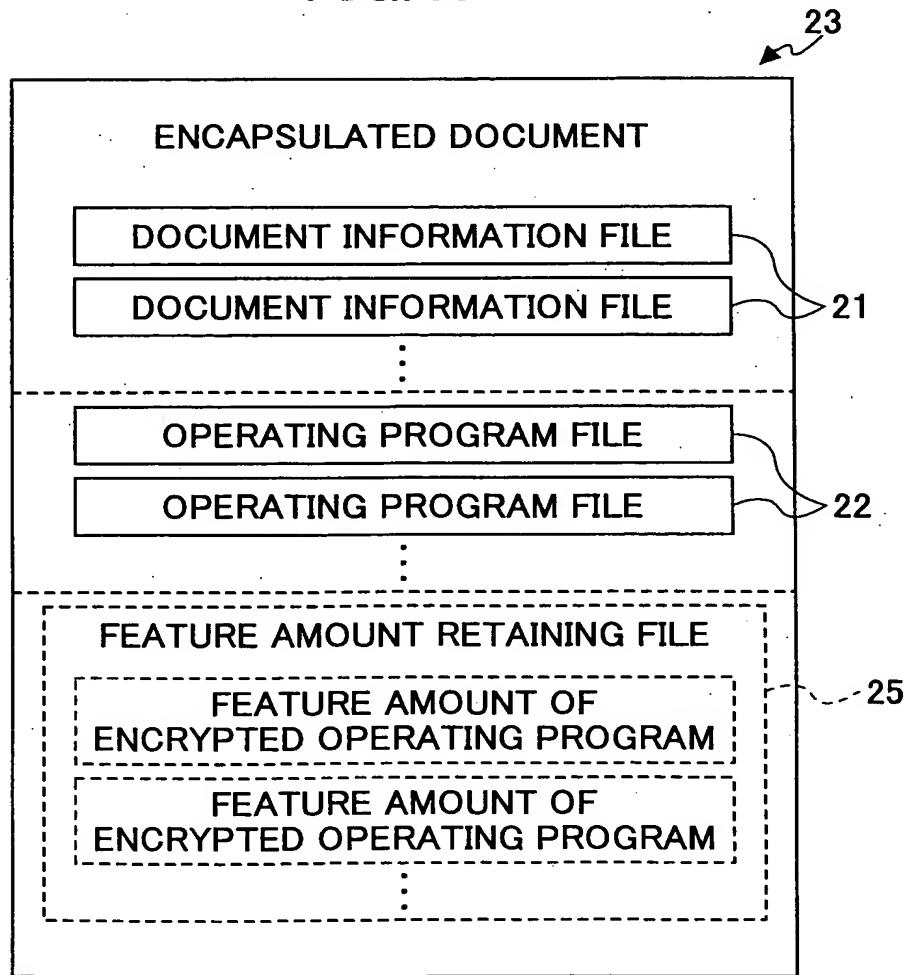


FIG.46

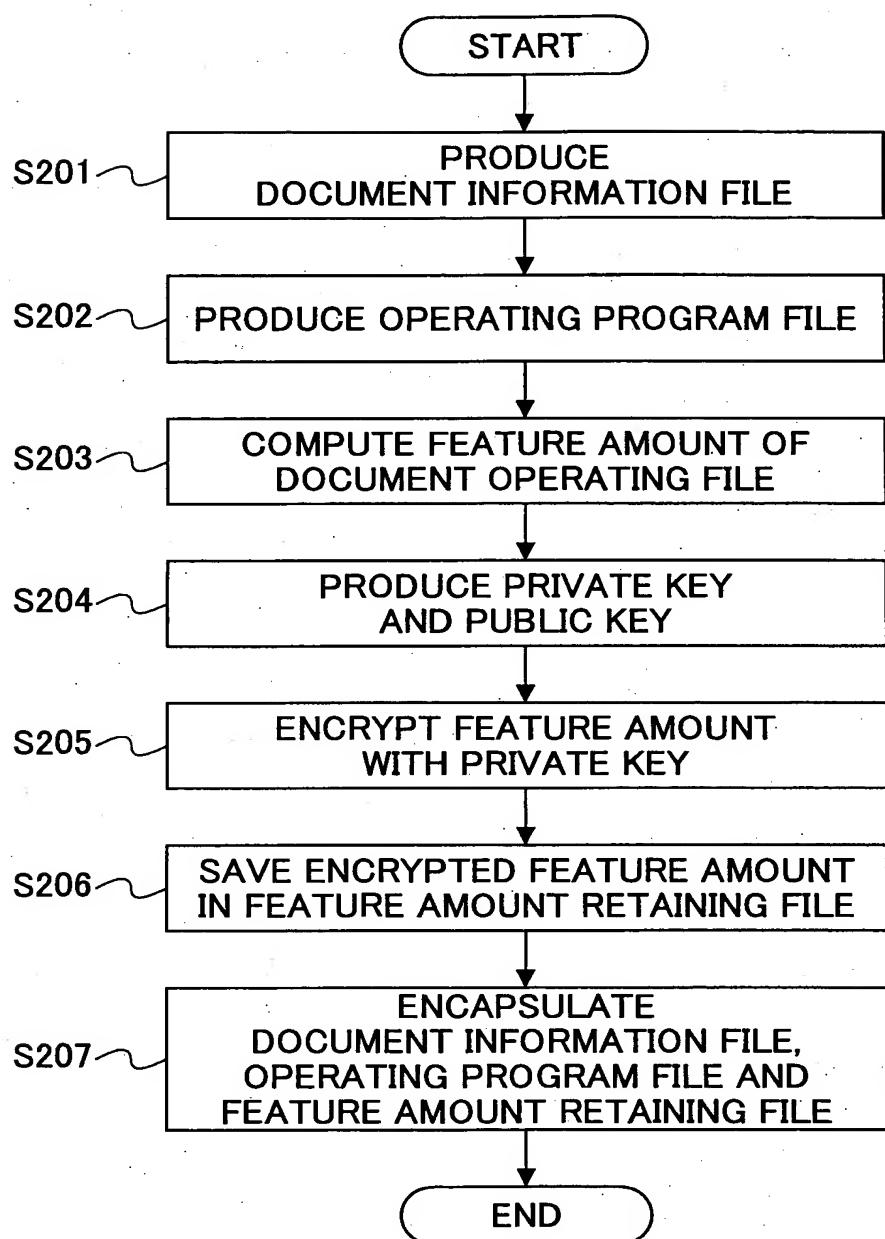


FIG.47

24

```
<FEATURE AMOUNT FILE>
<FEATURE AMOUNT COMPUTATION INFORMATION ALGORITHM = "SHA-1"/>
<OPERATING PROGRAM 1 OPERATING PROGRAM NAME = "DOCUMENT PRODUCING PROGRAM"
FEATURE AMOUNT = "8KBDi/AdAonBKtuztspftk4t/qc="
<OPERATING PROGRAM 2 OPERATING PROGRAM NAME = "DOCUMENT ACCESSING PROGRAM"
FEATURE AMOUNT = "8KBDi/setasetutwetsptaett/qc="
<OPERATING PROGRAM 3 OPERATING PROGRAM NAME = "OPERATION VERIFICATION PROGRAM"
FEATURE AMOUNT = "8KBDi/tajeieu4tuztspfetset/qc="
...
<OPERATING PROGRAM 10 OPERATING PROGRAM NAME = "MUSIC REPRODUCING PROGRAM"
FEATURE AMOUNT = "8KBDi/AderetstKtuztssfetsfy/qc="
</FEATURE AMOUNT FILE>
```

FIG.48

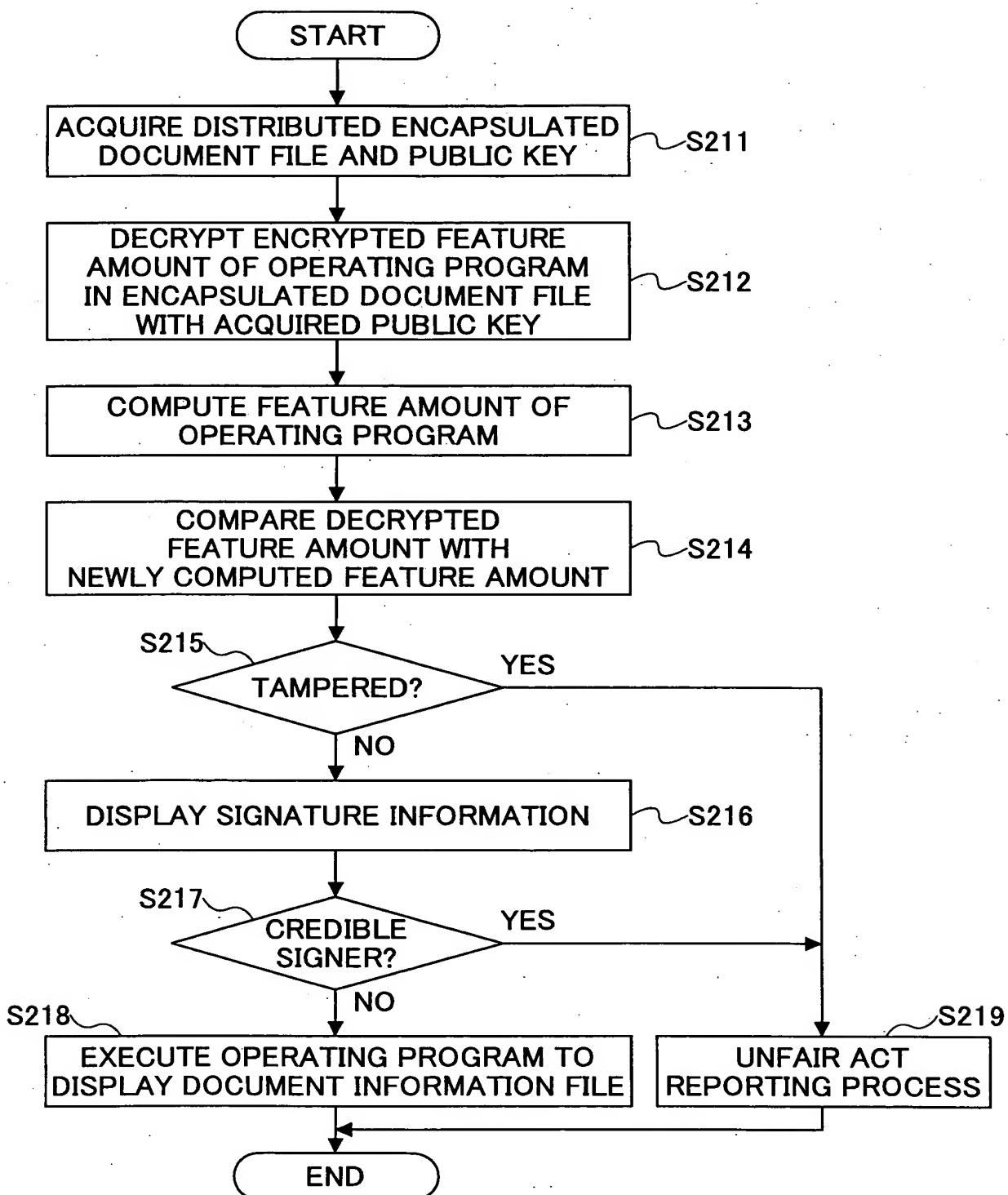


FIG.49

KINDS OF OPERATION RIGHTS	MODES OF OPERATION RIGHTS			
	A	B	C	D
READ FILE IN ENCAPSULATED DOCUMENT	×	○	○	○
READ FILE IN COMPUTER	×	×	○	○
READ AND WRITE FILE IN ENCAPSULATED DOCUMENT	×	×	×	○
READ AND WRITE FILE IN COMPUTER	×	×	×	×
RECEIVE PACKET OF NETWORK	×	×	×	×
TRANSMIT PACKET OF NETWORK	×	×	×	×
⋮	⋮	⋮	⋮	⋮

FIG.50

24

```
<FEATURE AMOUNT FILE>
  <FEATURE AMOUNT COMPUTATION INFORMATION ALGORITHM = "SHA-1"/>
  <OPERATING PROGRAM 1 OPERATING PROGRAM NAME = "DOCUMENT PRODUCING PROGRAM"
    FEATURE AMOUNT = "8KBDi/AdAonBKtuztspftk4t/qc="
    PUBLIC KEY INFORMATION = "adklсад49SSDgms"/>
  <OPERATING PROGRAM 2 OPERATING PROGRAM NAME = "DOCUMENT ACCESSING PROGRAM"
    FEATURE AMOUNT = "8KBDi/setasetutwetsptaett/qc="
    PUBLIC KEY INFORMATION = "SB5dataisDgms4g"/>
  <OPERATING PROGRAM 3 OPERATING PROGRAM NAME = "OPERATION VERIFICATION PROGRAM"
    FEATURE AMOUNT = "8KBDi/tajeieu4twztspfetset/qc="
    PUBLIC KEY INFORMATION = "www.xxxxx.co.jp/location3/Key//"/>
    ...
  <OPERATING PROGRAM 10 OPERATING PROGRAM NAME = "MUSIC REPRODUCING PROGRAM"
    FEATURE AMOUNT = "8KBDi/AderetstKtuztsfetsfy/qc="
    PUBLIC KEY INFORMATION = "rttszrgrgkisadees3"/>
</FEATURE AMOUNT FILE>
```

24
24
FIG.51

```
<FEATURE AMOUNT FILE>
  <FEATURE AMOUNT COMPUTATION INFORMATION ALGORITHM = "SHA-1" />
    <OPERATING PROGRAM 1 OPERATING PROGRAM NAME = "DOCUMENT PRODUCING PROGRAM"
      LOCATION INFORMATION= "www.xxxxxx.co.jp/location1/"
      FEATURE AMOUNT = "8KBDi/AdAonBKtuztspfkt4t/qc="
      PUBLIC KEY INFORMATION = "adkl sad4gSSDgms" />
    <OPERATING PROGRAM 2 OPERATING PROGRAM NAME = "DOCUMENT ACCESSING PROGRAM"
      LOCATION INFORMATION= "www.xxxxxx.co.jp/location2/"
      FEATURE AMOUNT = "8KBDi/ setasetutwetsptaett/qc="
      PUBLIC KEY INFORMATION = "SBSdatajsDgms4g" />
    <OPERATING PROGRAM 3 OPERATING PROGRAM NAME = "OPERATION VERIFICATION PROGRAM"
      LOCATION INFORMATION= "www.xxxxxx.co.jp/location3/"
      FEATURE AMOUNT = "8KBDi/tajeiue4tuztspfetset/qc="
      PUBLIC KEY INFORMATION = "www.xxxxxx.co.jp/location3/Key/" />
    ...
    ...
    <OPERATING PROGRAM 10 OPERATING PROGRAM NAME = "MUSIC REPRODUCING PROGRAM"
      LOCATION INFORMATION= "www.xxxxxx.co.jp/location10/"
      FEATURE AMOUNT = "8KBDi/AderetstKtuztfsfetsfy/qc="
      PUBLIC KEY INFORMATION = "rttszrgrgklsadées3" />
  </FEATURE AMOUNT FILE>
```

FIG.52

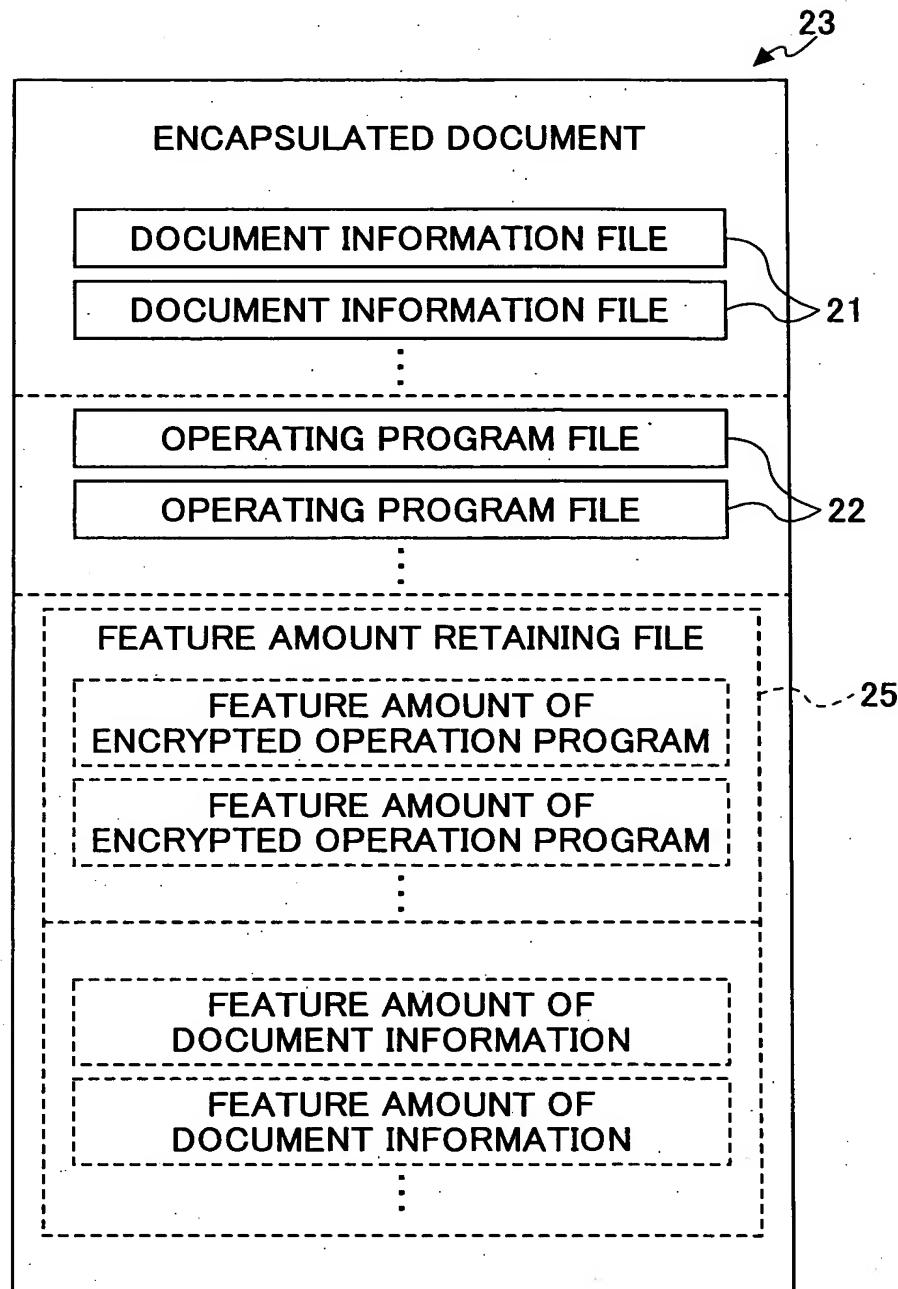


FIG.53

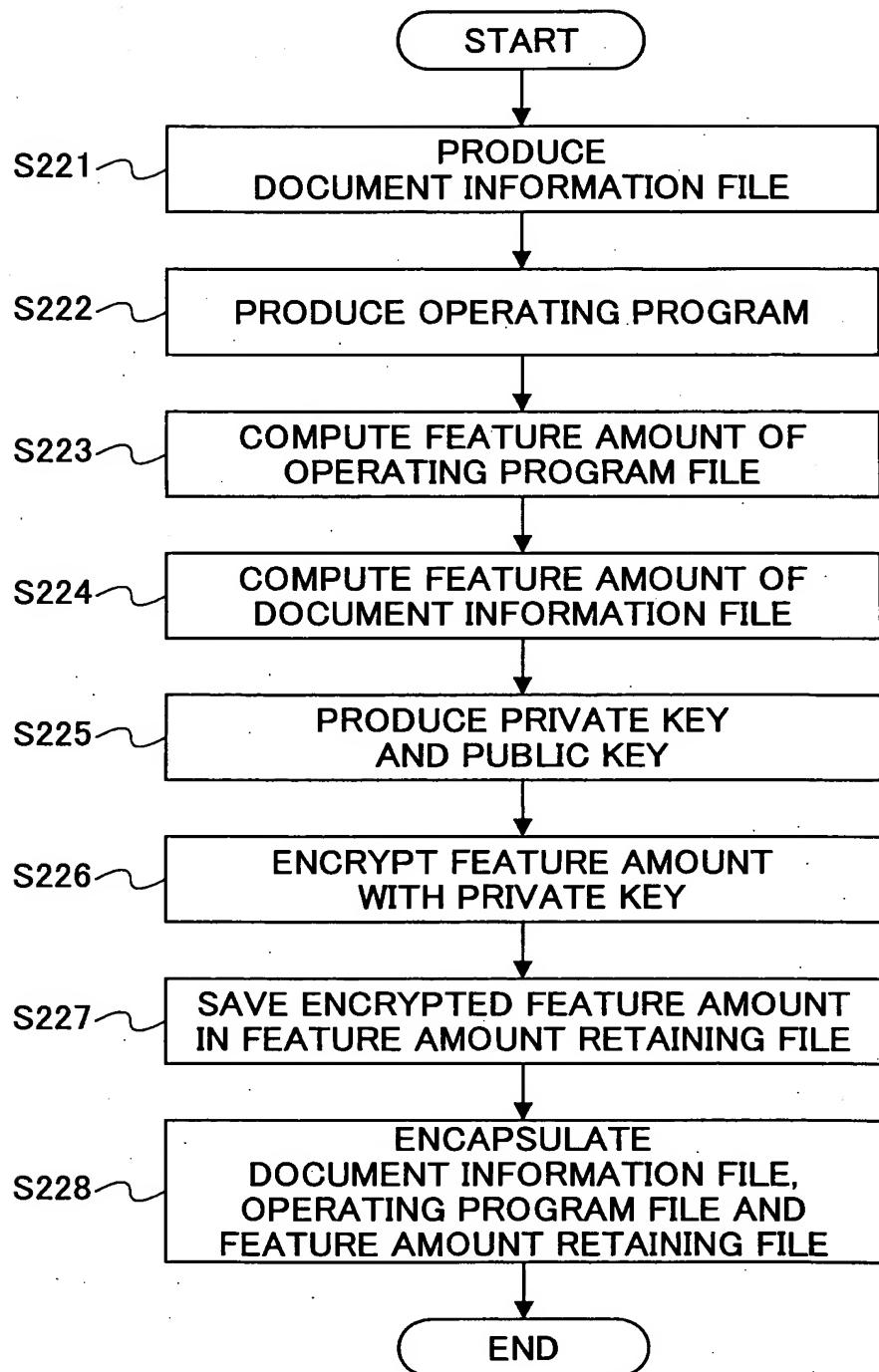


FIG.54

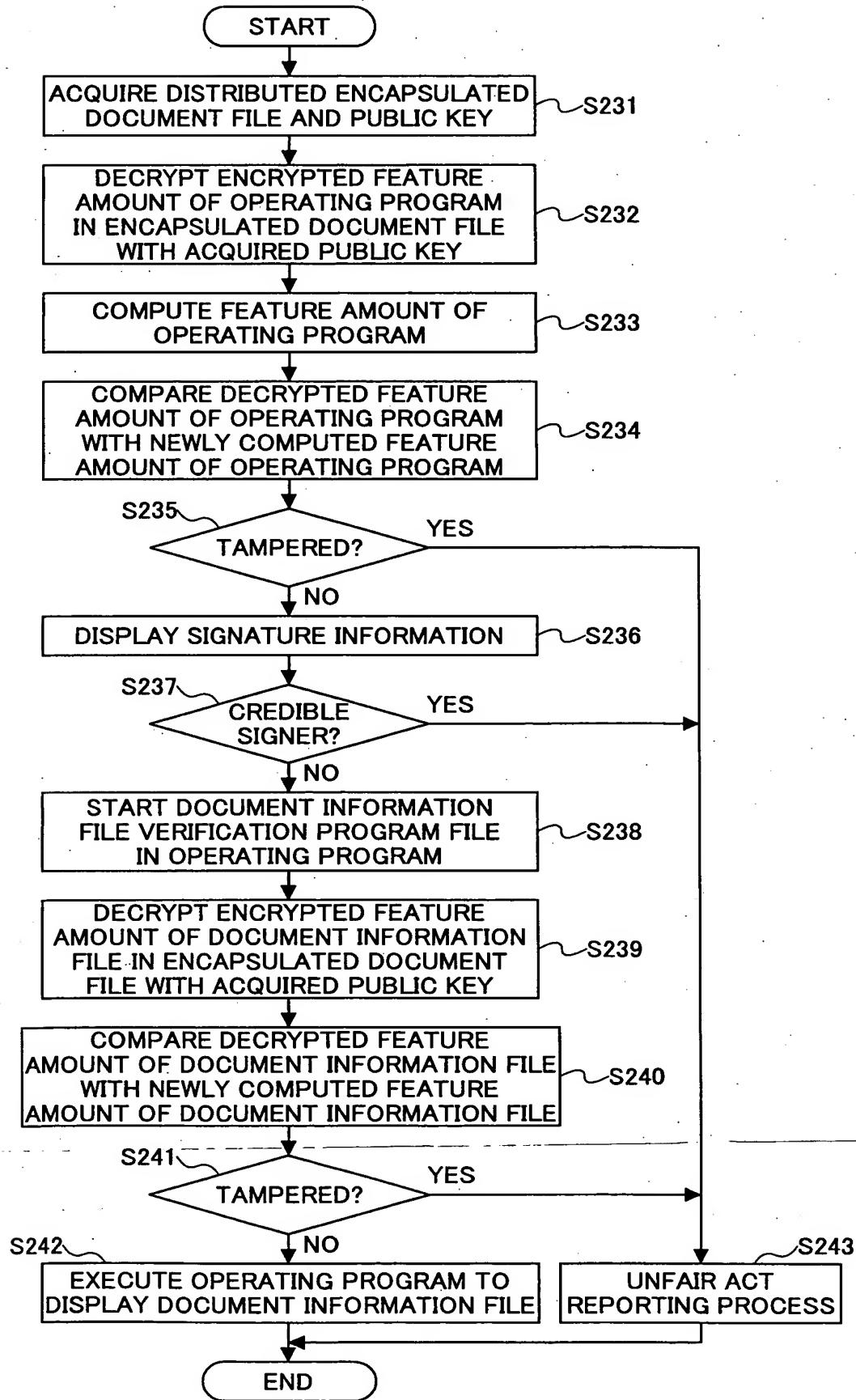


FIG. 55

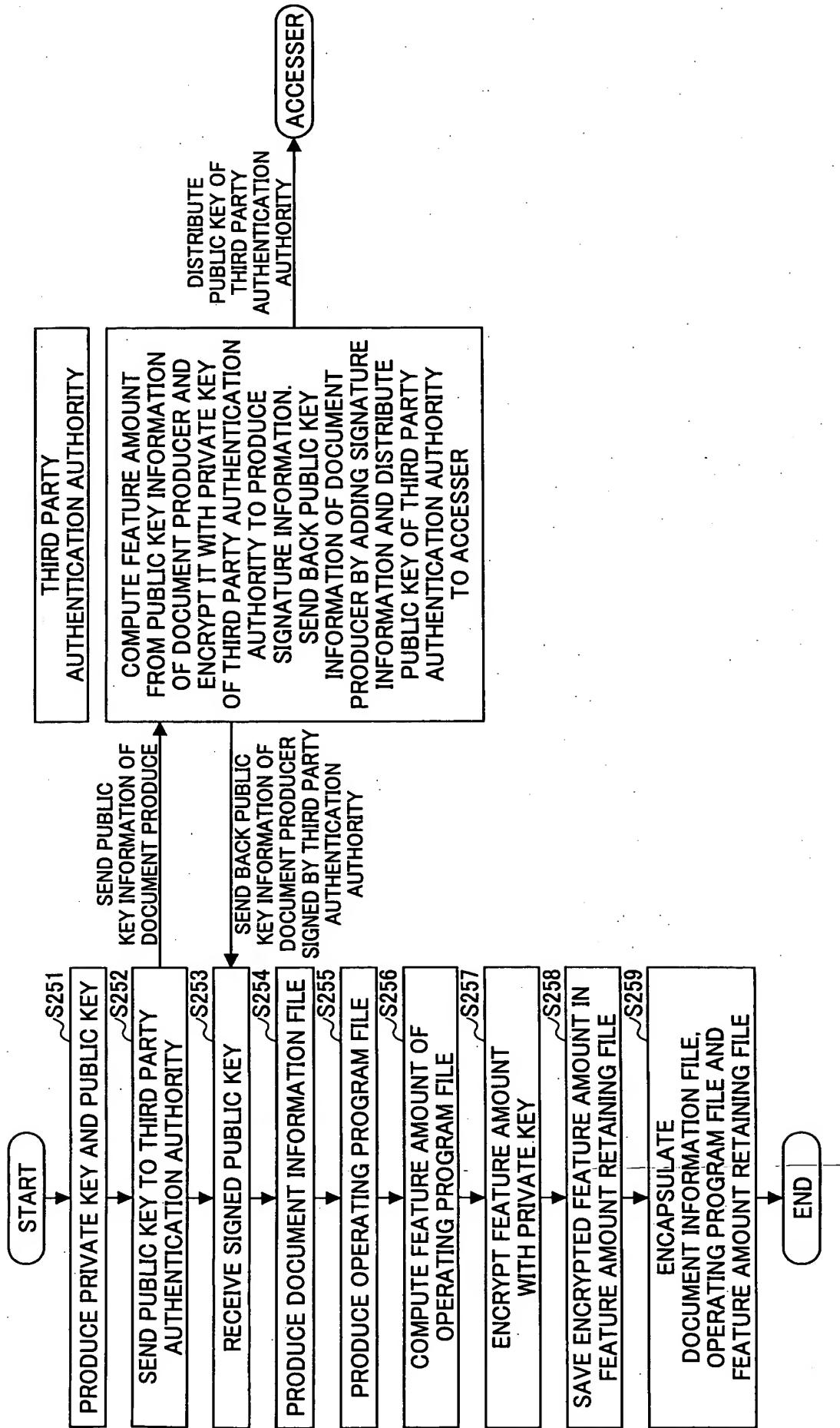


FIG.56

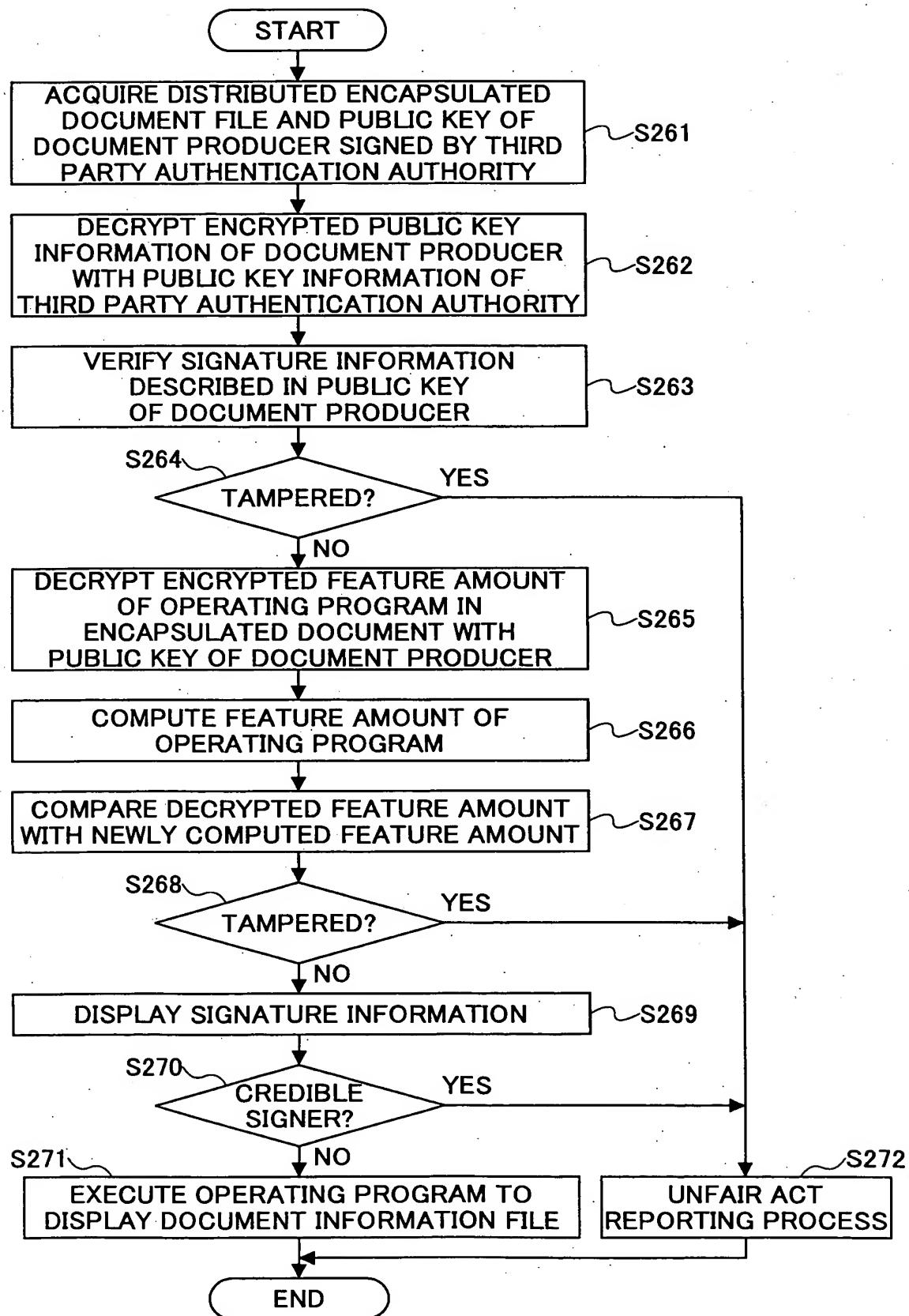


FIG.57

23

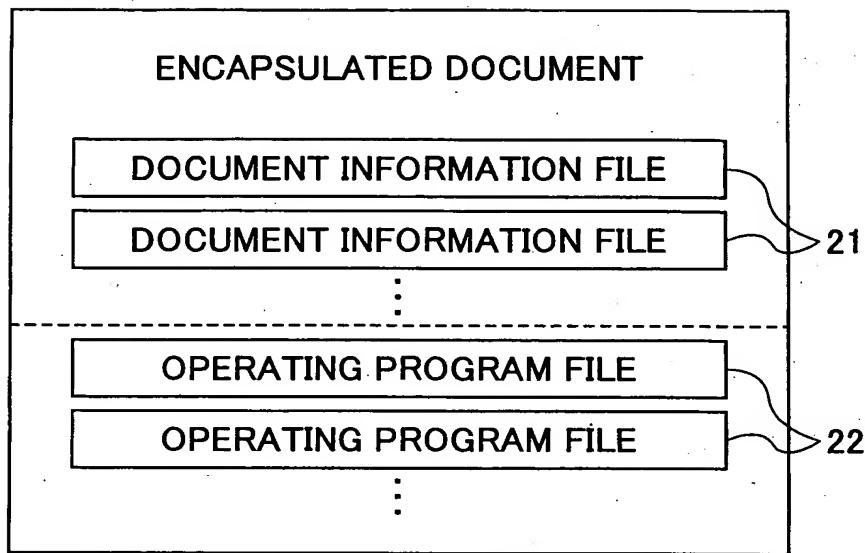


FIG.58

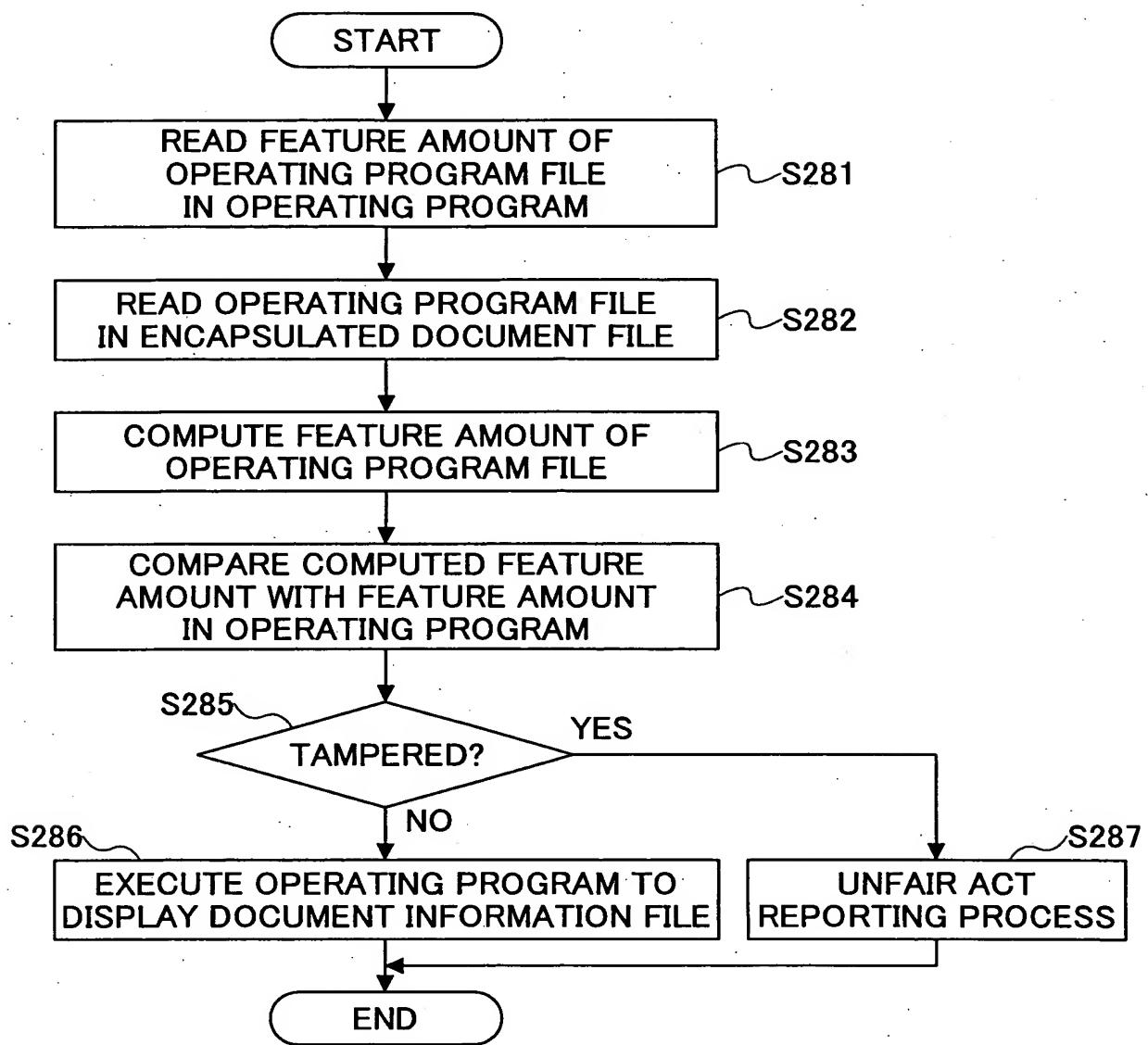


FIG.59

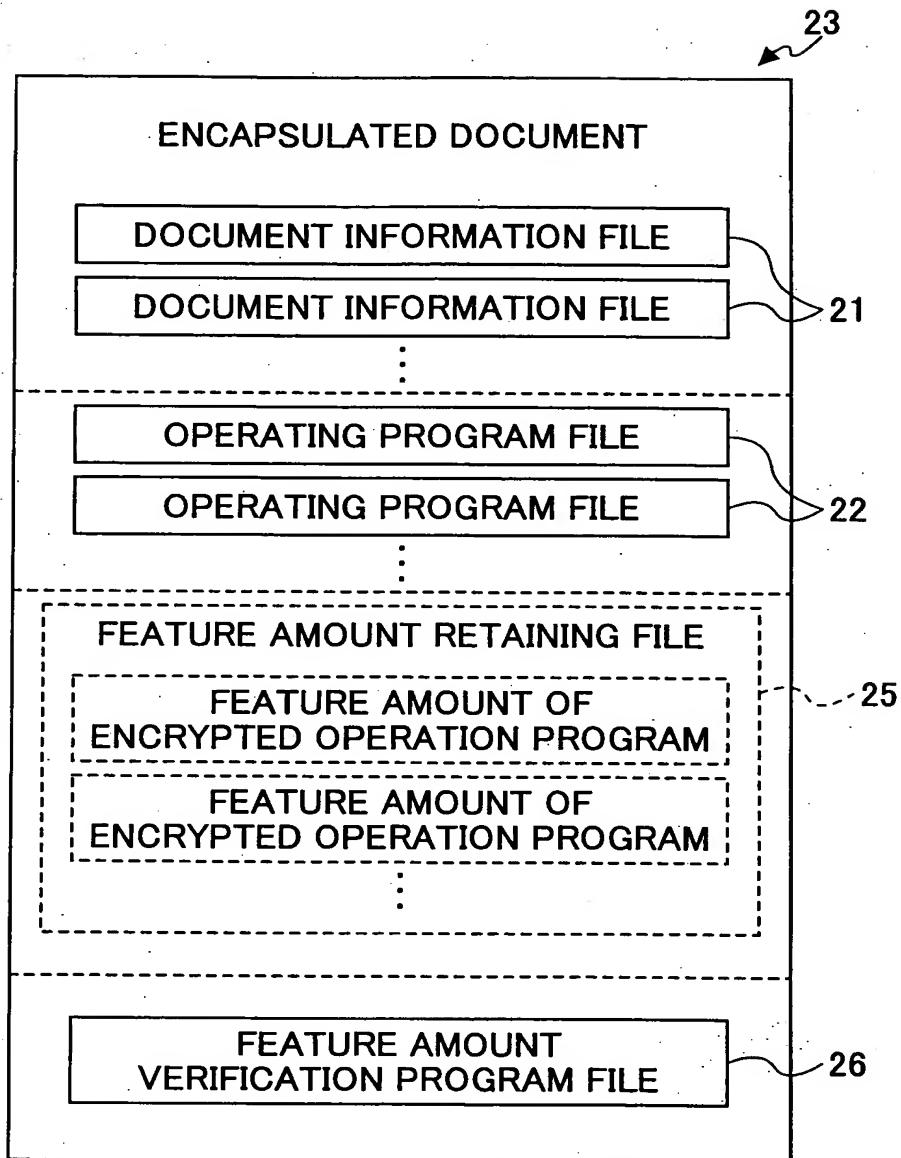


FIG.60

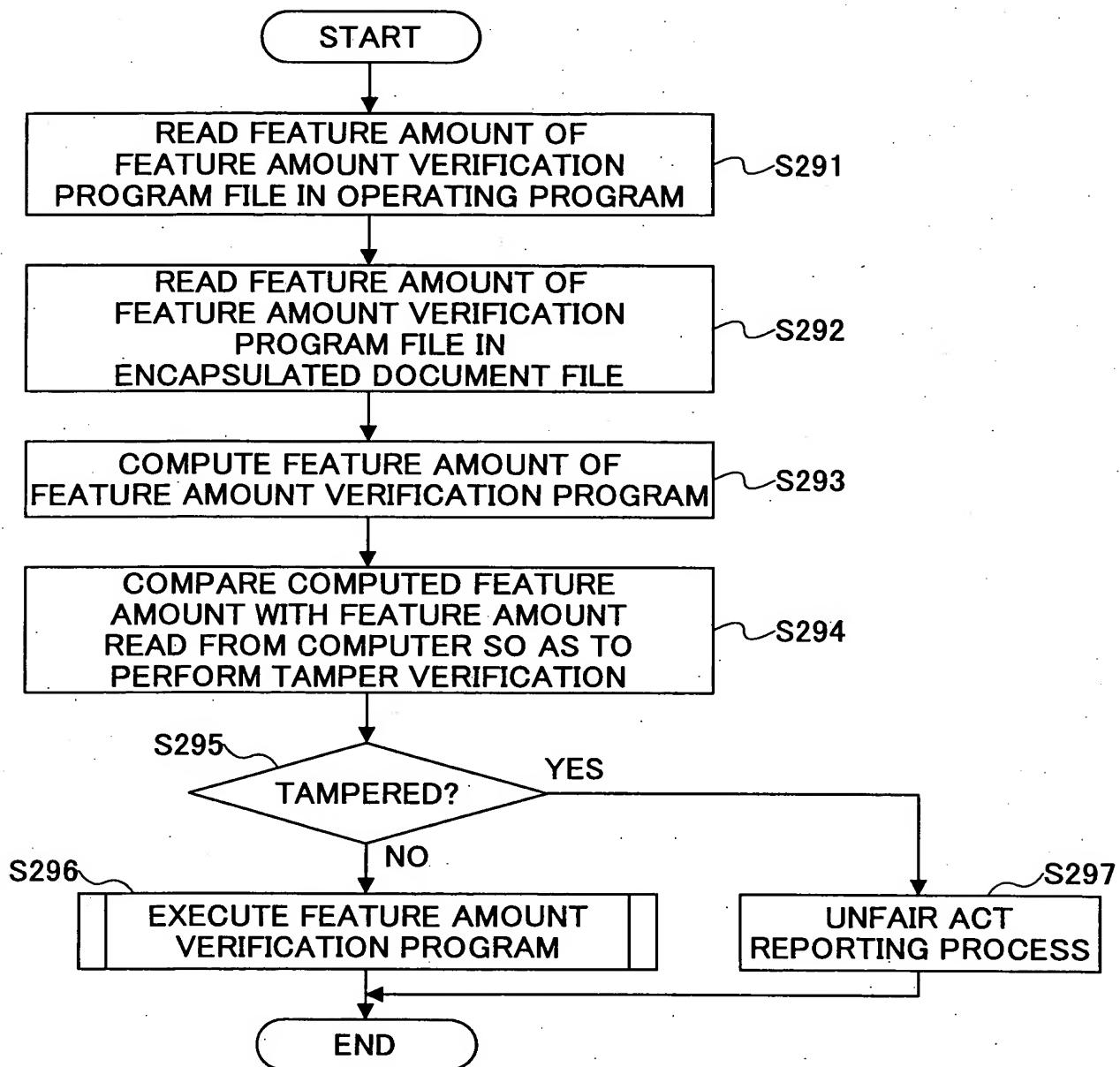


FIG.61

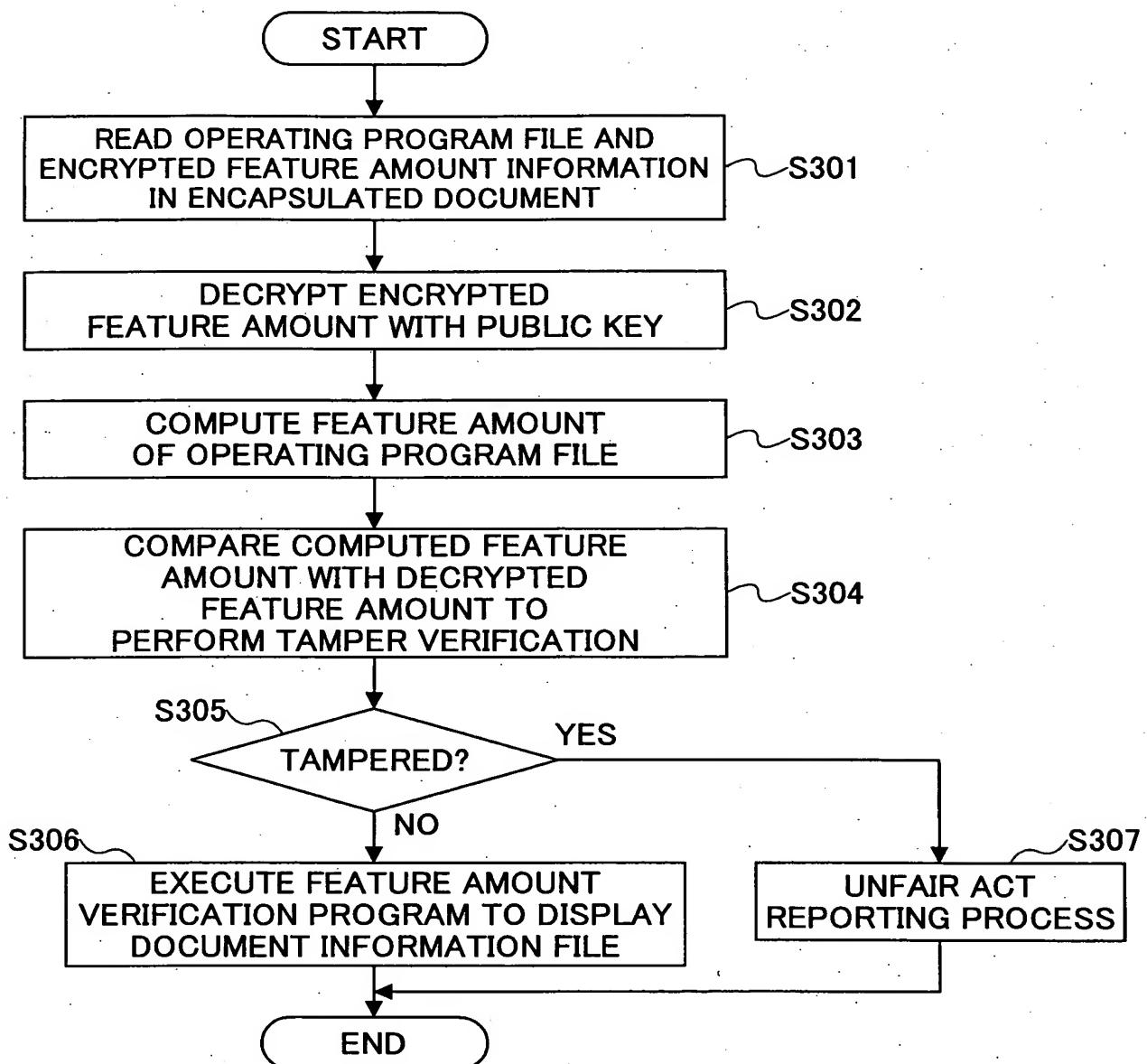


FIG.62

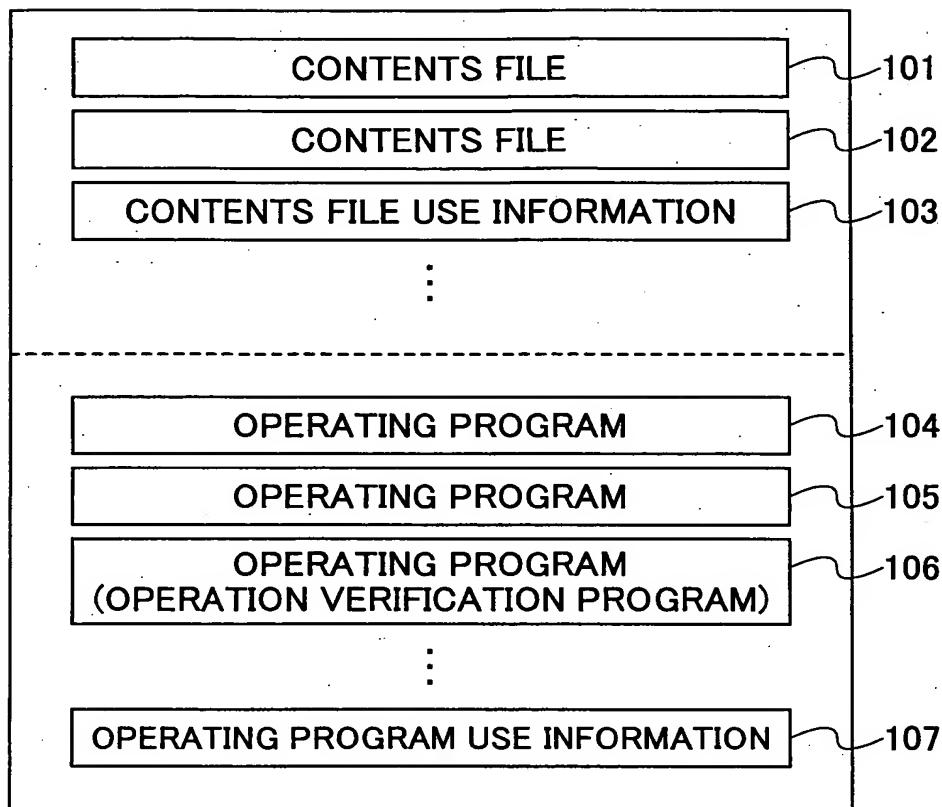


FIG. 63

201

```
<SECURITY>
<FEATURE AMOUNT INFORMATION ALGOLUTHM = "SHA-1" PUBLIC KEY INFORMATION = adksad49SSDgms" />
<OPERATING PROGRAM 1 OPERATING PROGRAM NAME = "DOCUMENT PRODUCING PROGRAM"
LOCATION INFORMATION = "www.ricoh.co.jp/location1/"
FEATURE AMOUNT = "8KBDi/AdAonBKtuztspftk4t/qc= " />
<OPERATING PROGRAM 2 OPERATING PROGRAM NAME = "DOCUMENT ACCESSING PROGRAM"
LOCATION INFORMATION= "www.ricoh.co.jp/location2/"
FEATURE AMOUNT = "8KBDi/setasetutwetsptaett/qc= " />
<OPERATING PROGRAM 3 OPERATING PROGRAM NAME = "OPERATION VERIFICATION PROGRAM"
LOCATION INFORMATION= "www.ricoh.co.jp/location3/"
FEATURE AMOUNT = "8KBDi/tajieue4tuzzspfetset/qc= " />
...
<OPERATING PROGRAM 10 OPERATING PROGRAM NAME = "MUSIC REPRODUCING PROGRAM"
LOCATION INFORMATION= "www.ricoh.co.jp/location10/"
FEATURE AMOUNT = "8KBDi/AdereretsKtuztsfetsfy/qc= " />
```

FIG.64

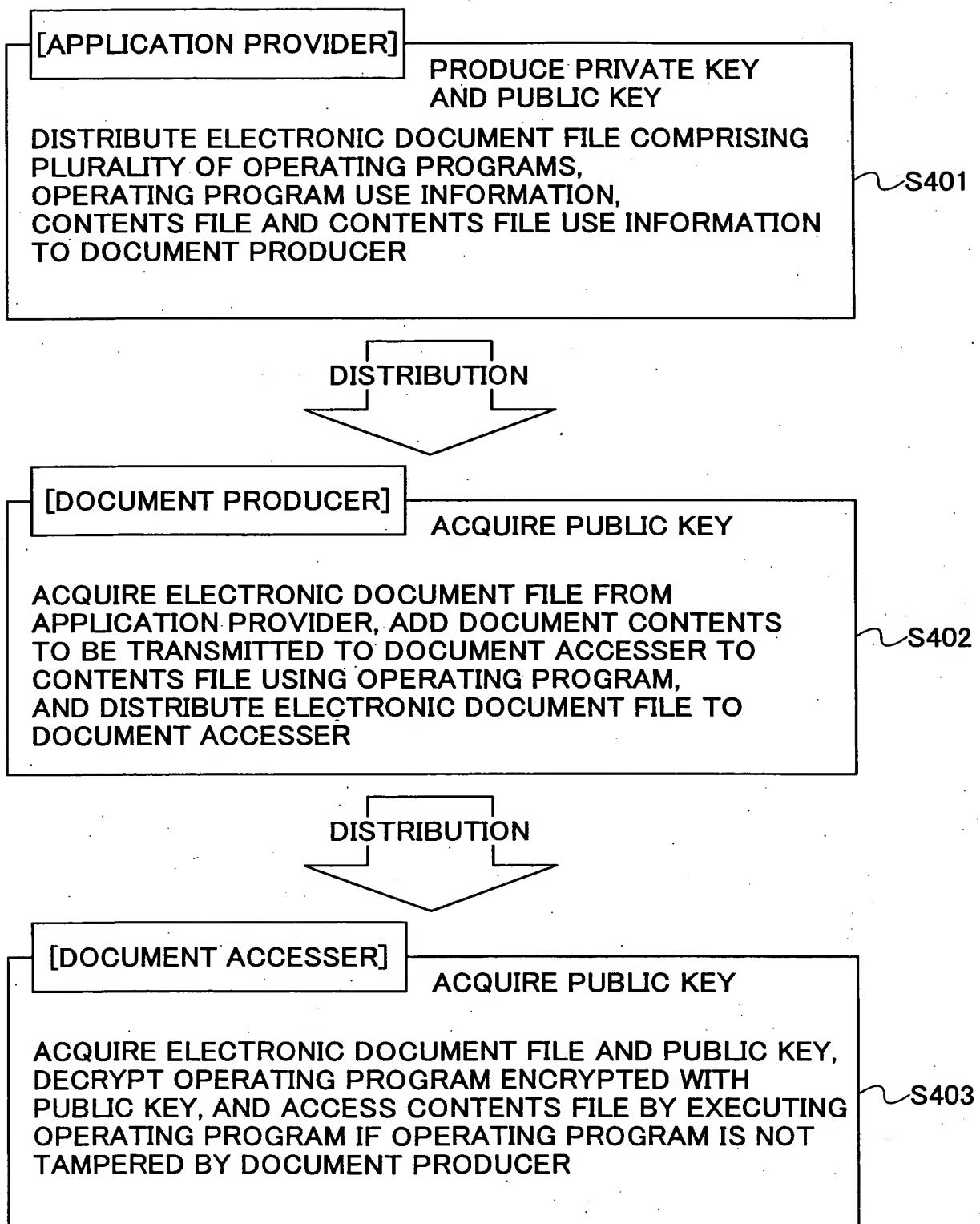


FIG.65

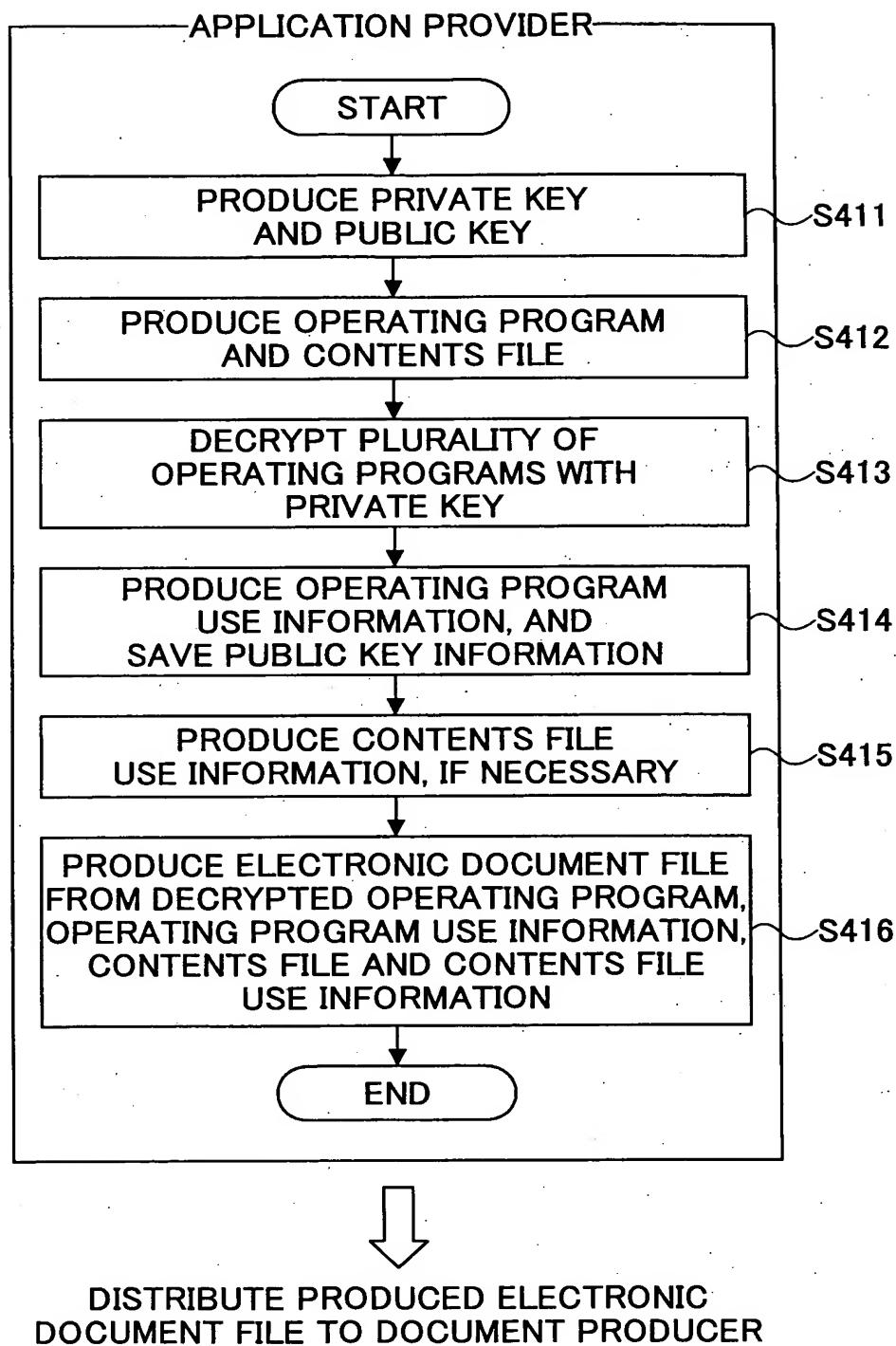
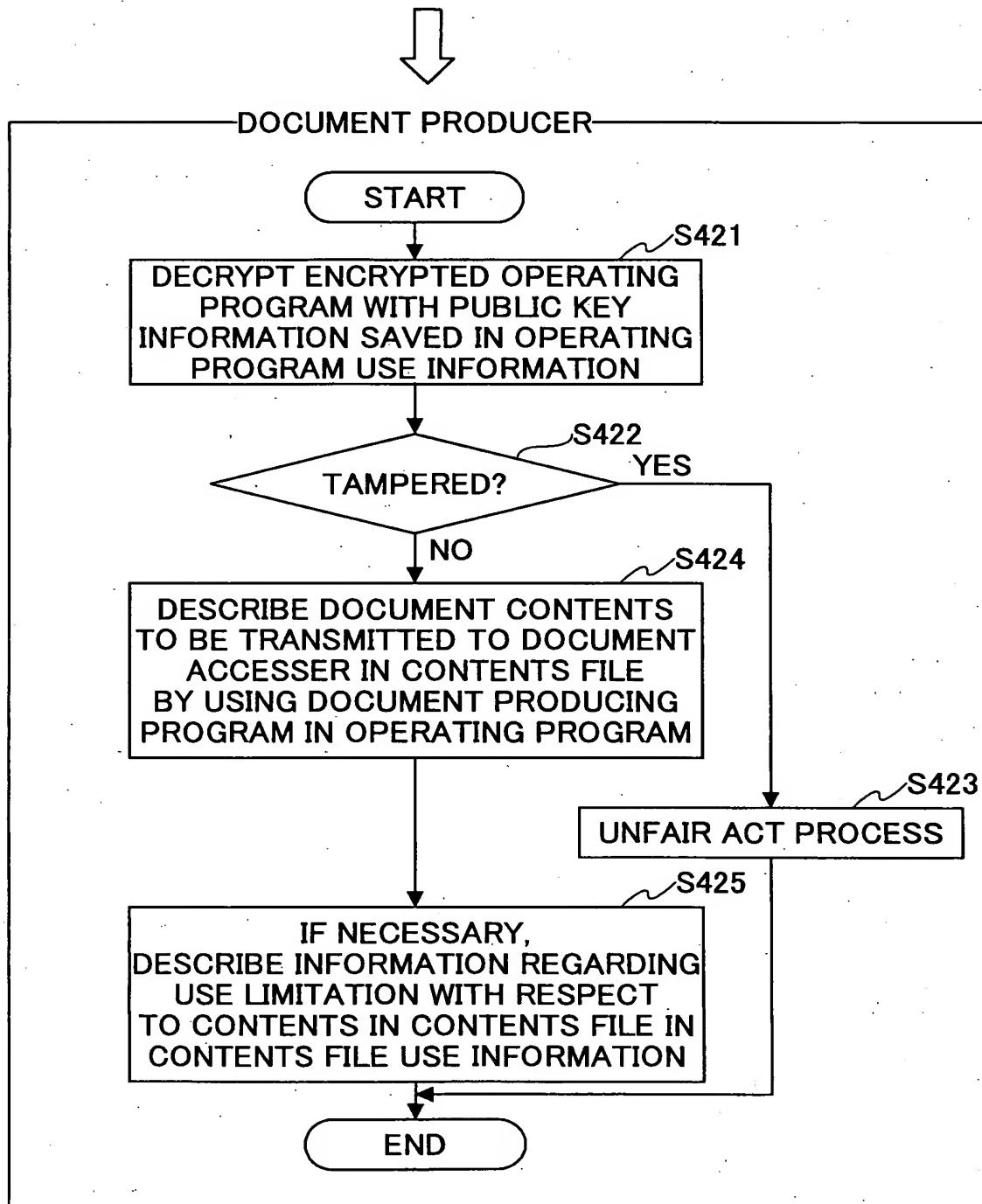


FIG.66

ACQUIRE ELECTRONIC DOCUMENT FILE AND
PUBLIC KEY FROM APPLICATION PROVIDER



DISTRIBUTE ELECTRONIC DOCUMENT FILE
TO DOCUMENT ACCESSIONER

FIG.67

ACQUIRE ELECTRONIC DOCUMENT FILE AND
PUBLIC KEY FROM DOCUMENT PRODUCER

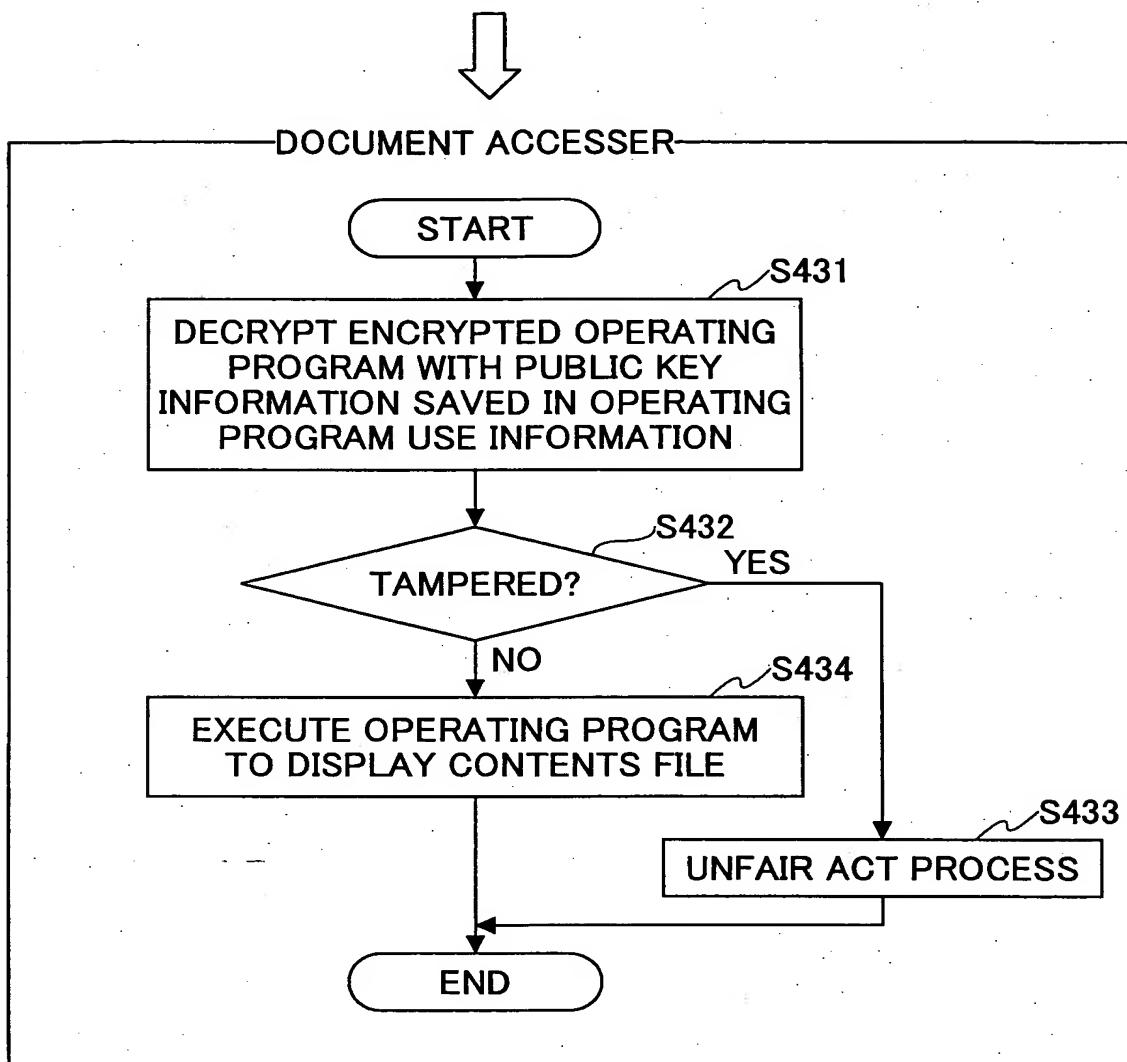


FIG.68

KINDS OF OPERATION RIGHTS	MODES OF OPERATION RIGHTS				
READ FILE IN ENCAPSULATED DOCUMENT	x	o	o	o	
READ FILE IN COMPUTER	x	x	o	o	
READ AND WRITE FILE IN ENCAPSULATED DOCUMENT	x	x	x	o	
READ AND WRITE FILE IN COMPUTER	x	x	x	x
RECEIVE PACKET OF NETWORK	x	x	x	x	
TRANSMIT PACKET OF NETWORK	x	x	x	x	
.....

FIG.69

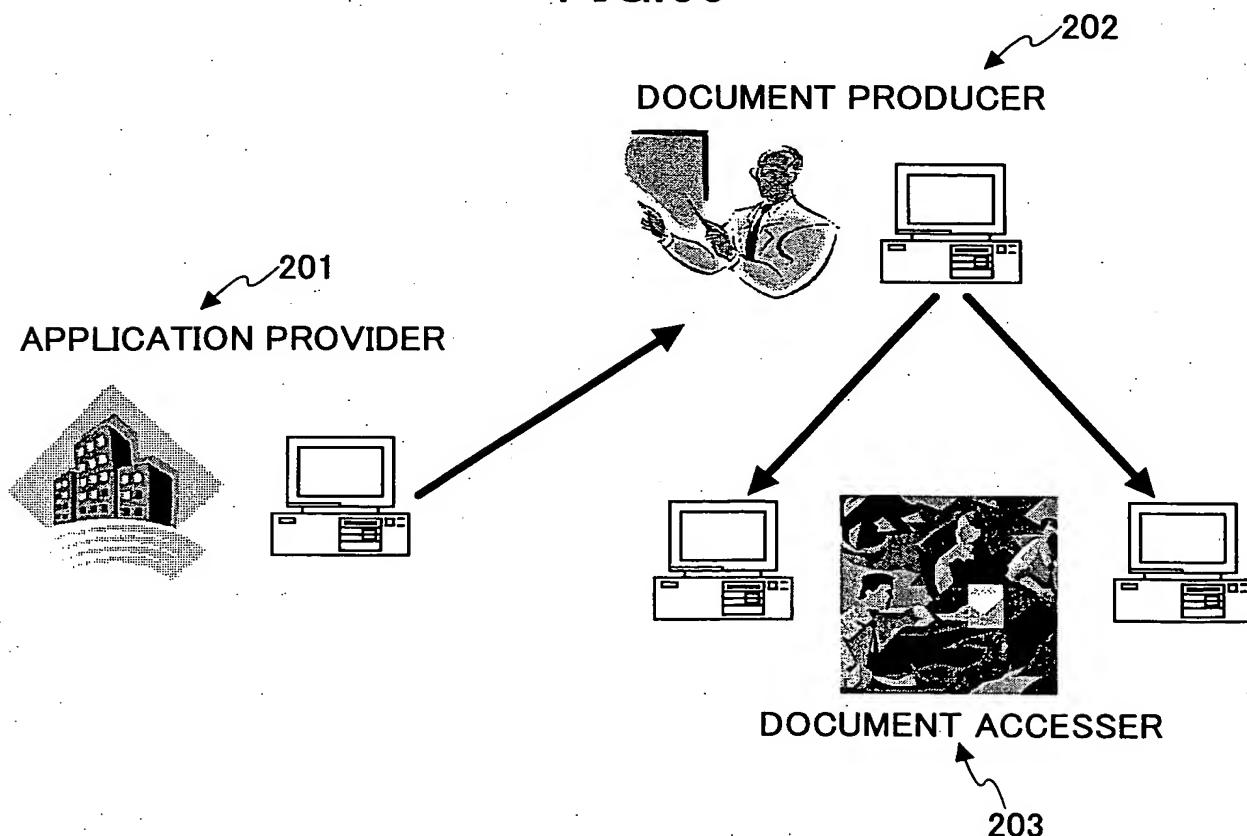


FIG.70

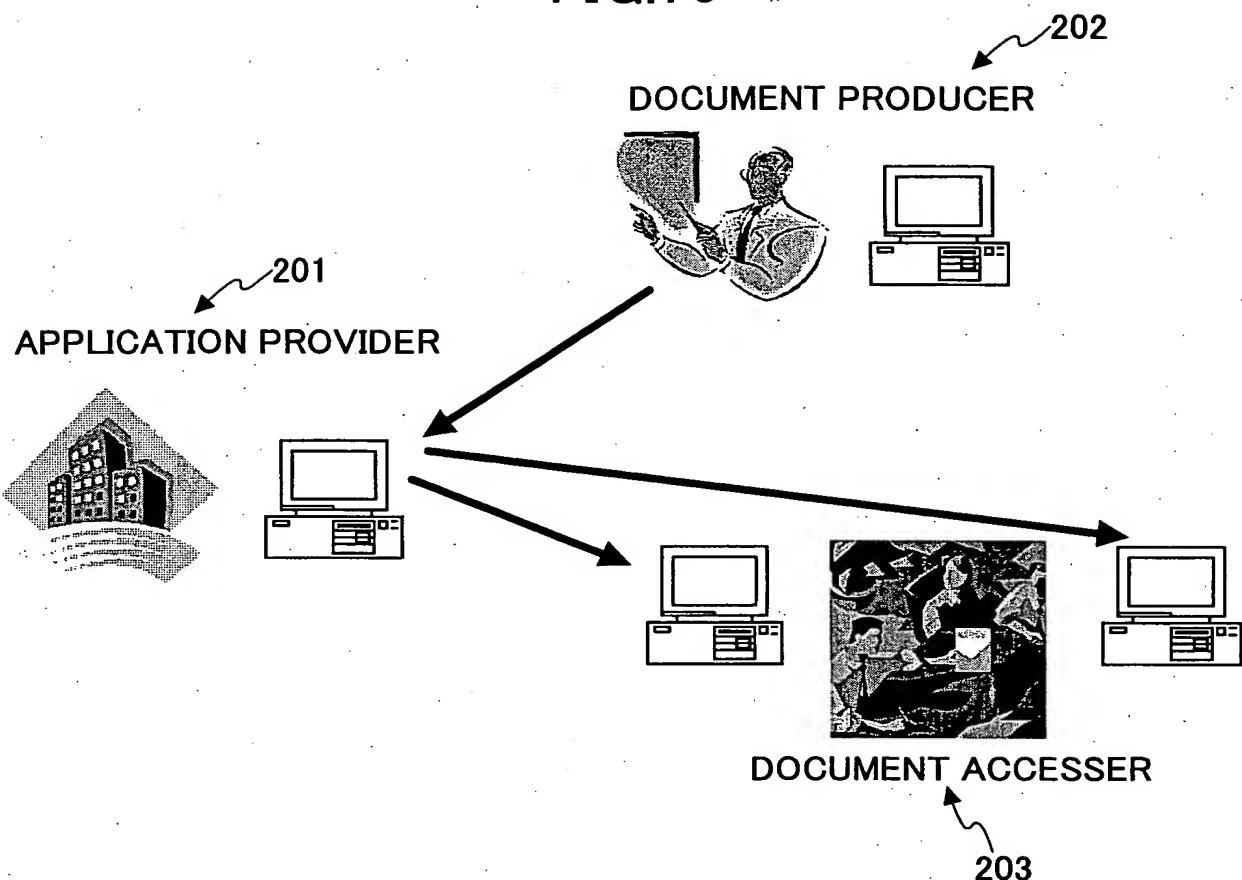


FIG.71

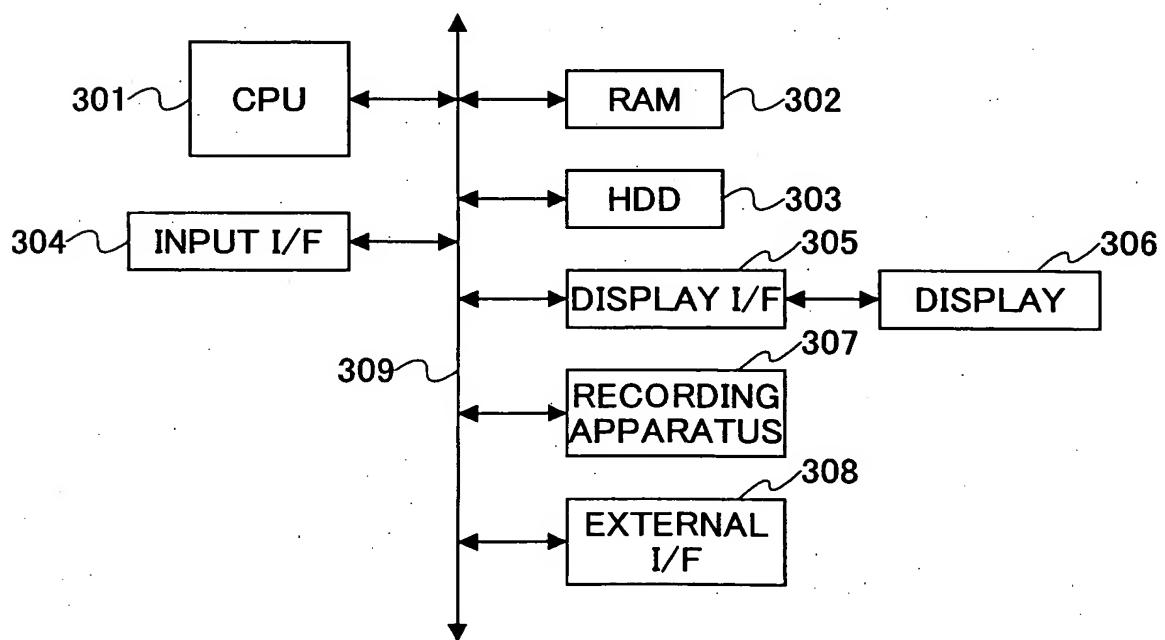


FIG.72

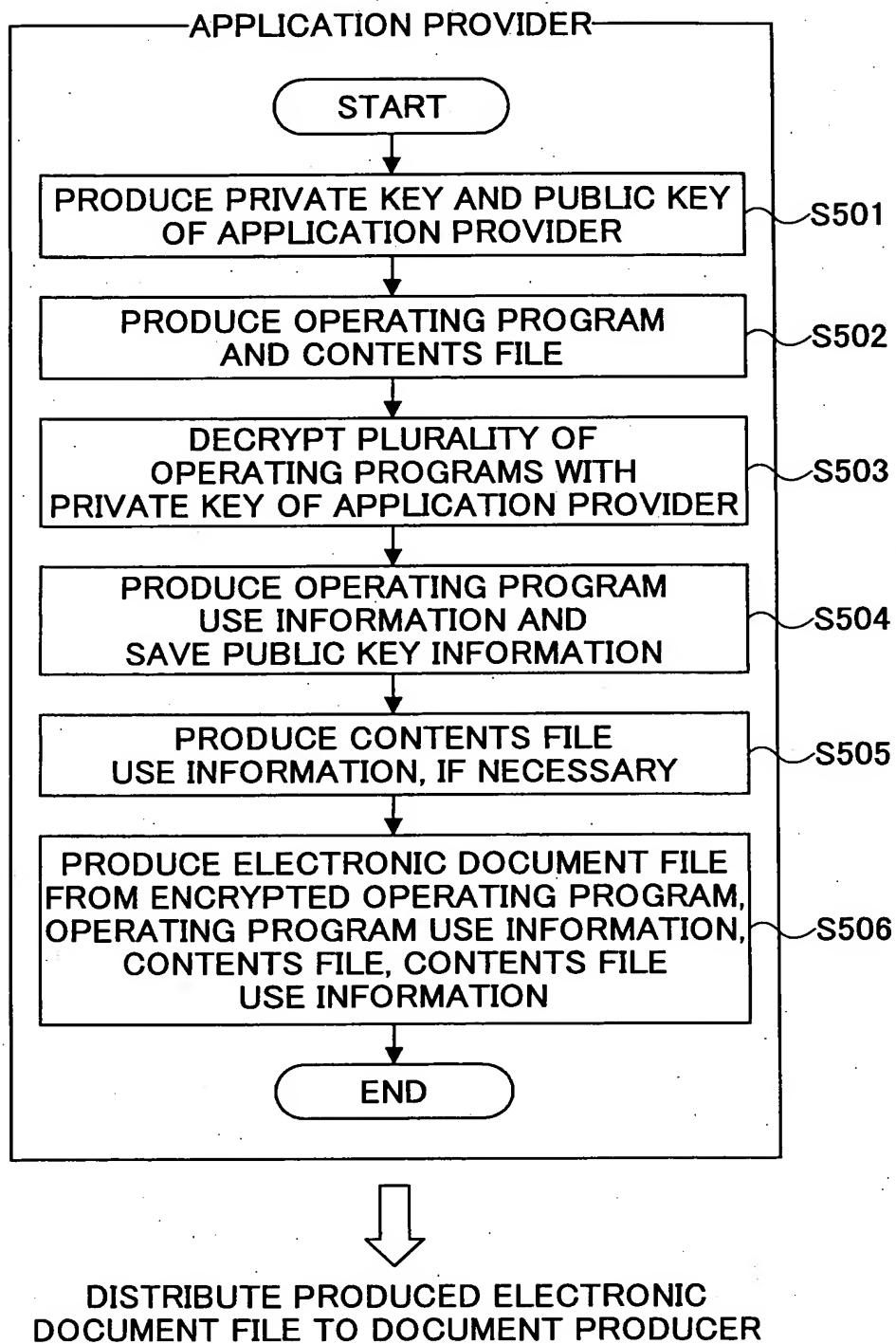
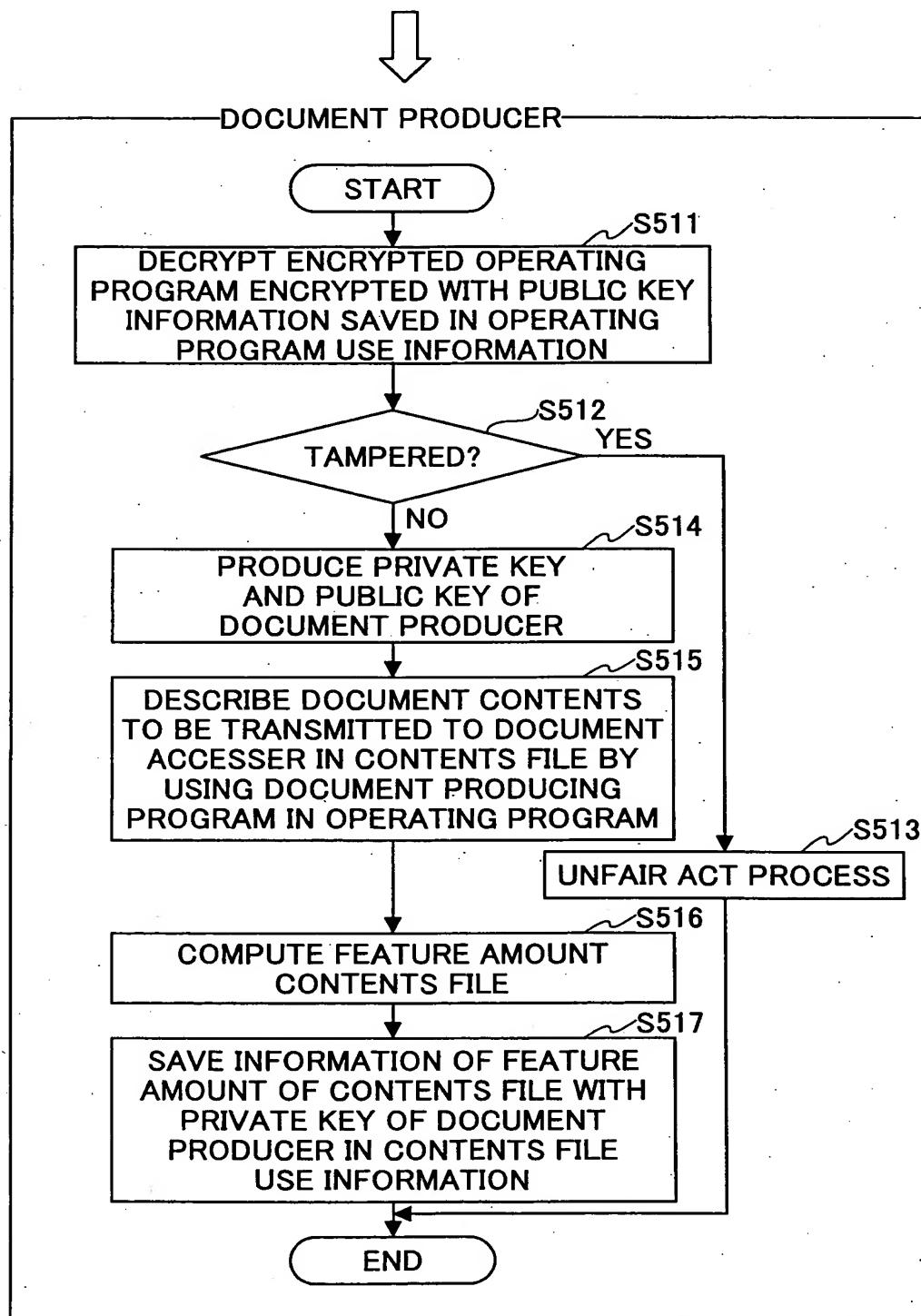


FIG.73

ACQUIRE ELECTRONIC DOCUMENTS FILE AND
PUBLIC KEY FROM APPLICATION PRODUCER



DISTRIBUTE ELECTRONIC DOCUMENT FILE
TO DOCUMENT ACCESSIONER

FIG.74

ACQUIRE ELECTRONIC FILE AND
PUBLIC KEY FROM DOCUMENT PRODUCER

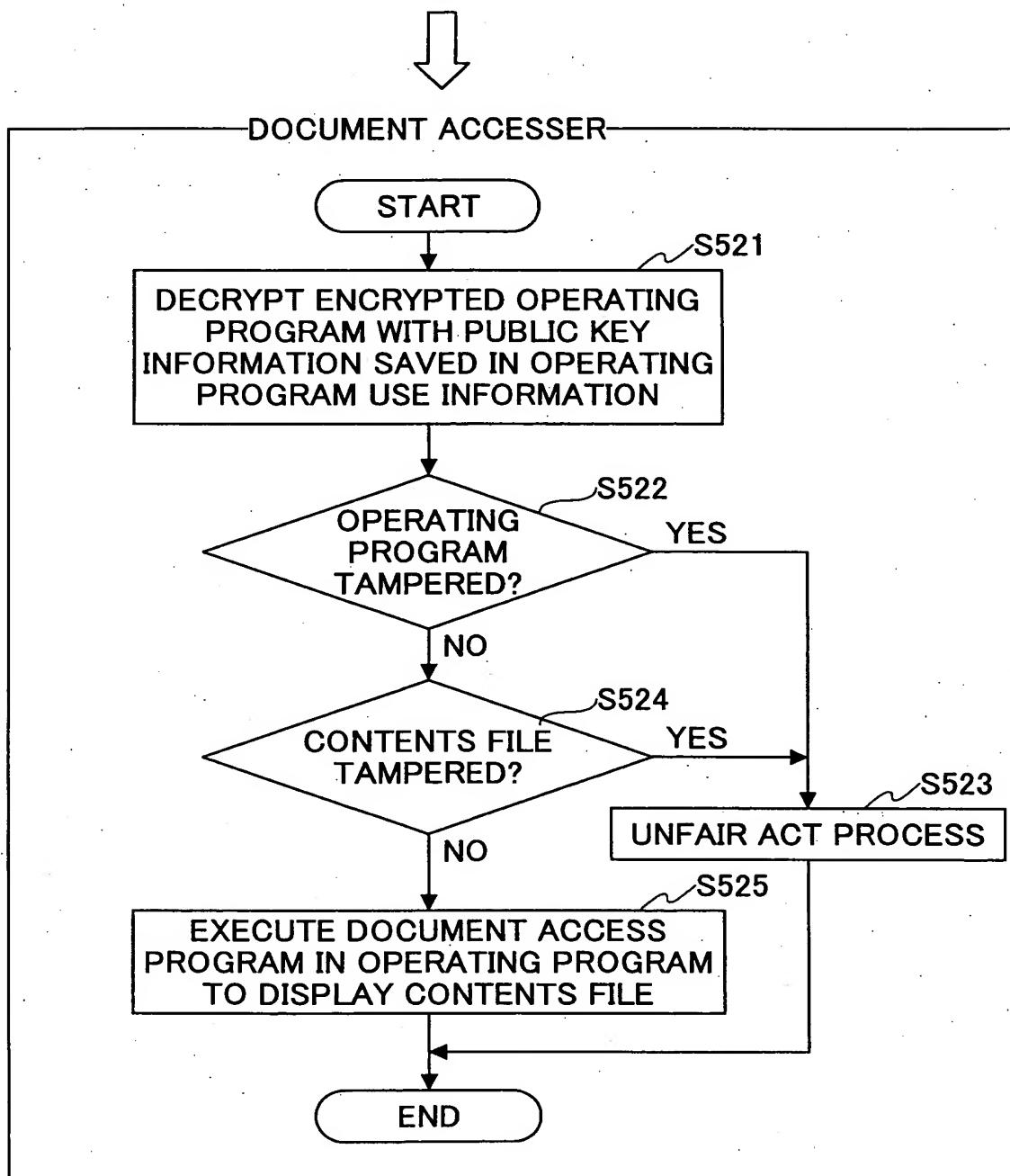
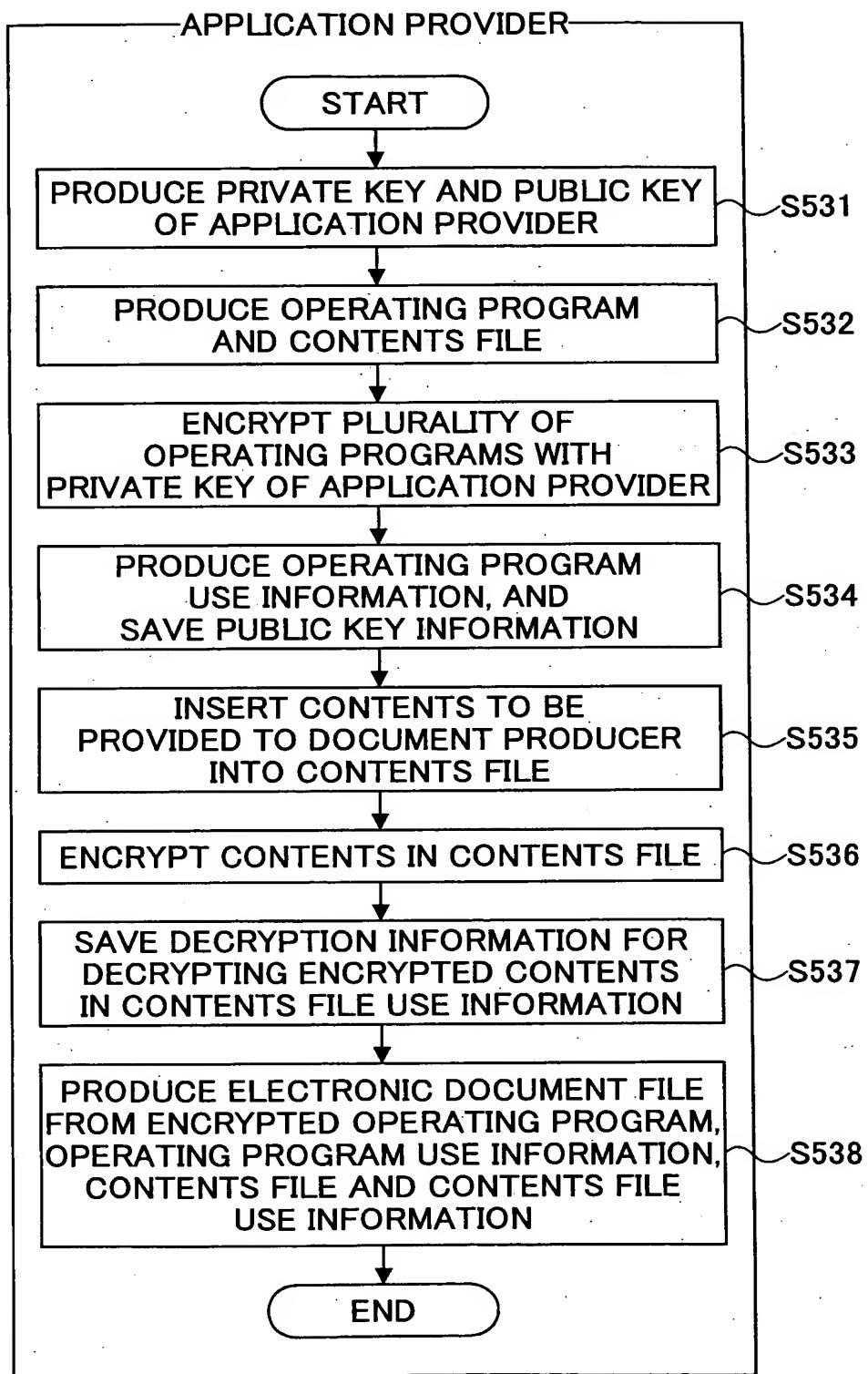


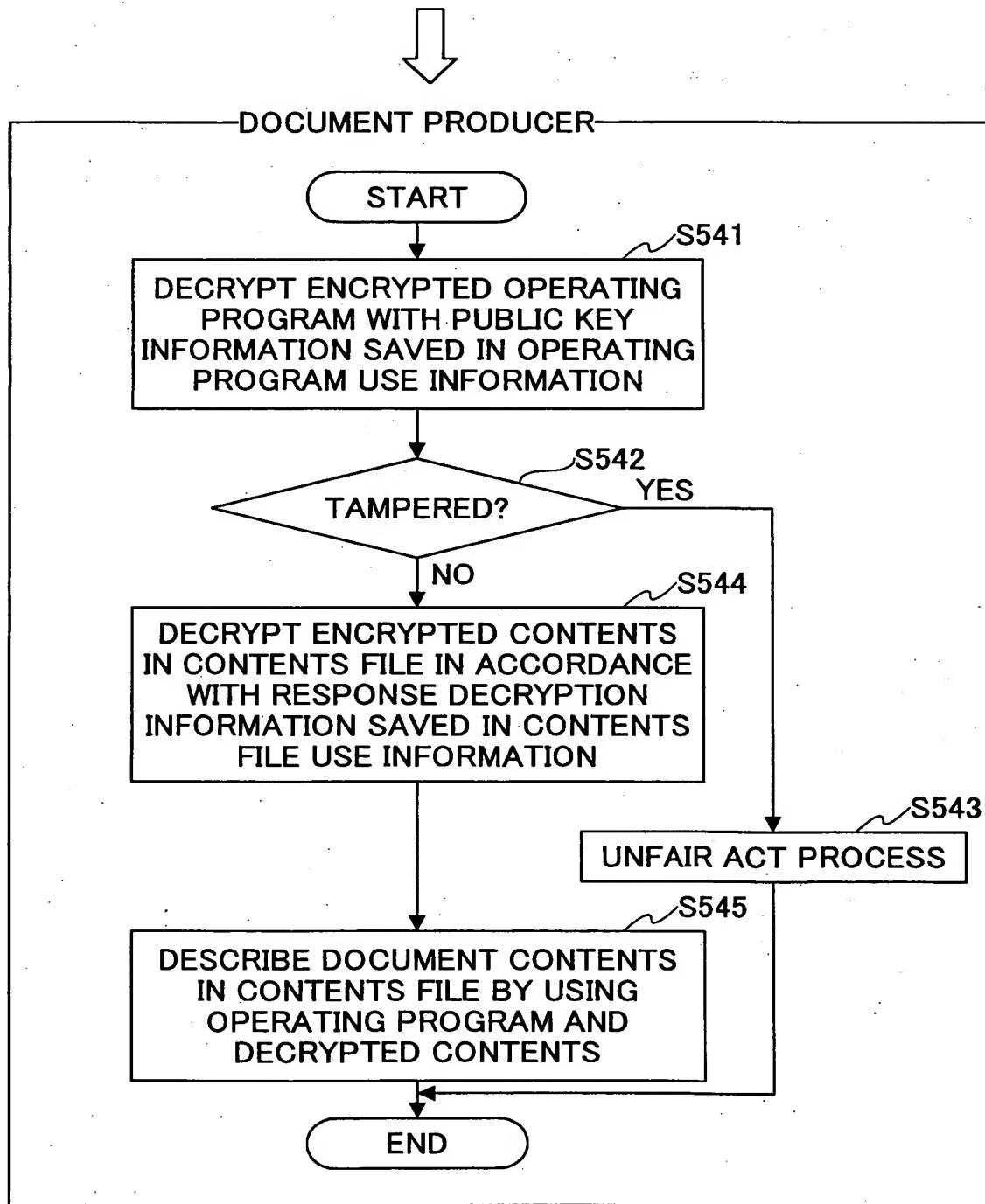
FIG.75



DISTRIBUTE PRODUCER ELECTRONIC DOCUMENT FILE TO DOCUMENT PRODUCER

FIG. 76

ACQUIRE ELECTRONIC DOCUMENT FILE AND
PUBLIC KEY FORM APPLICATION PROVIDER



DISTRIBUTE ELECTRONIC DOCUMENT FILE
TO DOCUMENT ACCESSION

FIG.77

ACQUIRE ELECTRONIC DOCUMENT FILE AND
PUBLIC KEY FROM DOCUMENT PRODUCER

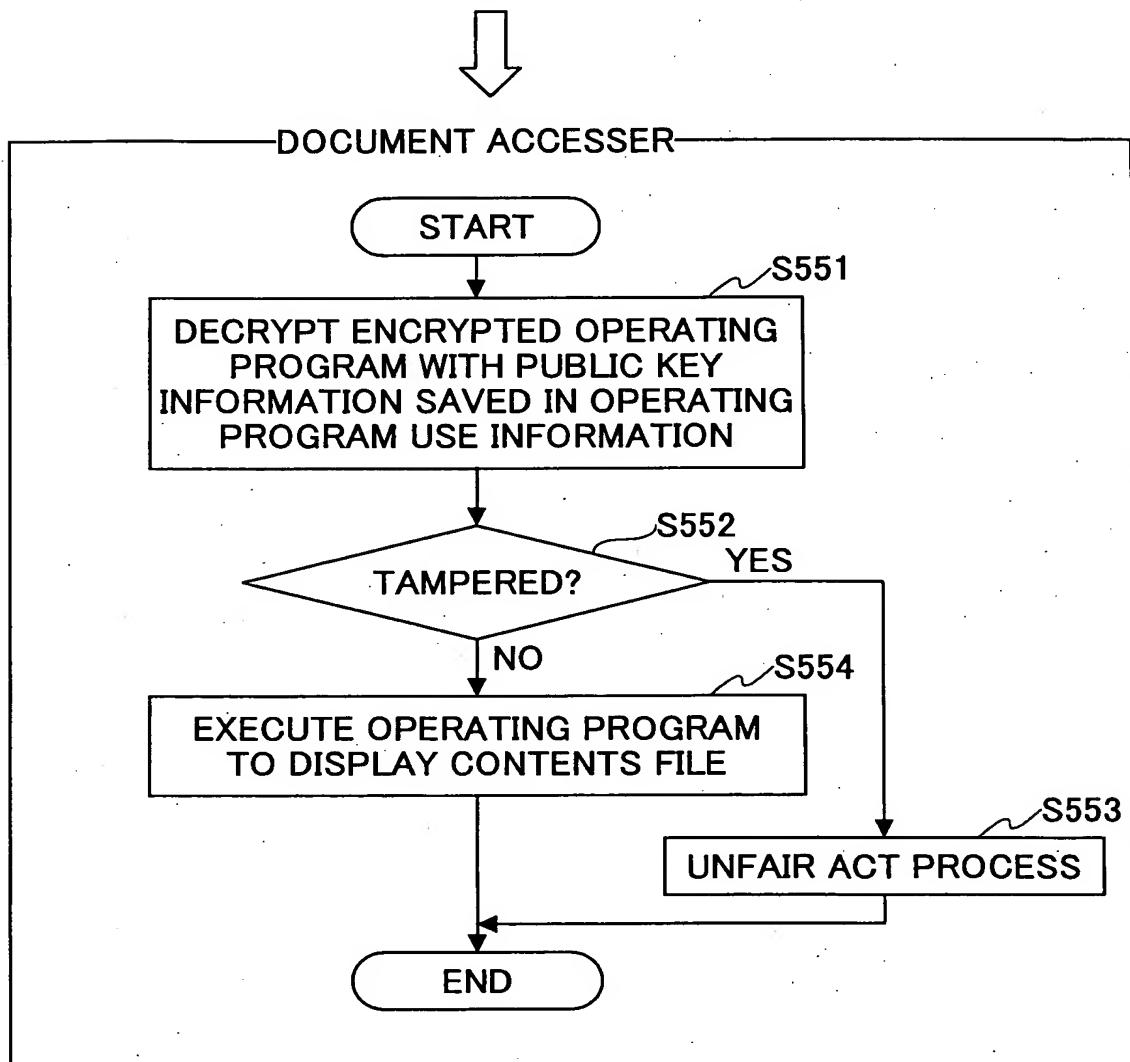


FIG.78

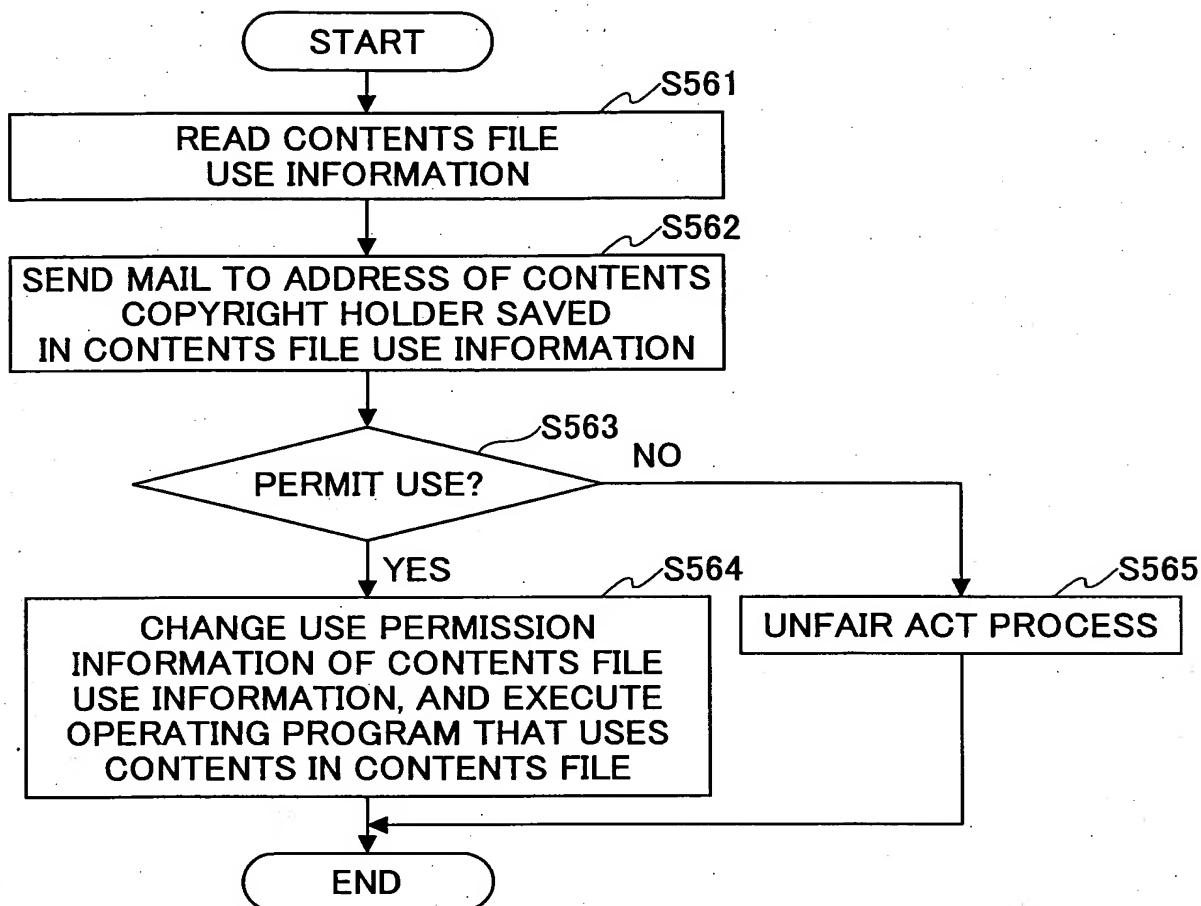


FIG. 79

311

322

CONTENTS FILE USE INFORMATION

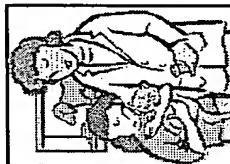
PRODUCER NAME: Mr. A
ADDRESS: www.ricoh.co.jp/location1/
USE FEE: ???\$
TYPE: DYNAMIC IMAGE INFORMATION
CONTENTS: GRIMM'S STORY
AGE: 5-8
USE PERMISSION: O

:

LOCATION INFORMATION OF CONTENTS FILE:
[/location1/](http://location1/)



CONTENTS FILE: ([/location1/](http://location1/))



CONTENTS FILE USE INFORMATION

PRODUCER NAME: Mr. B
ADDRESS: www.ricoh.co.jp/location2/
USE FEE: ???\$
TYPE: DYNAMIC IMAGE INFORMATION
CONTENTS: horror movie
AGE: use prohibited for under 18
USE PERMISSION: X

:

LOCATION INFORMATION OF CONTENTS FILE:
[/location2/](http://location2/)



CONTENTS FILE: ([/location2/](http://location2/))

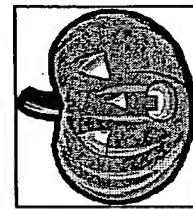


FIG.80

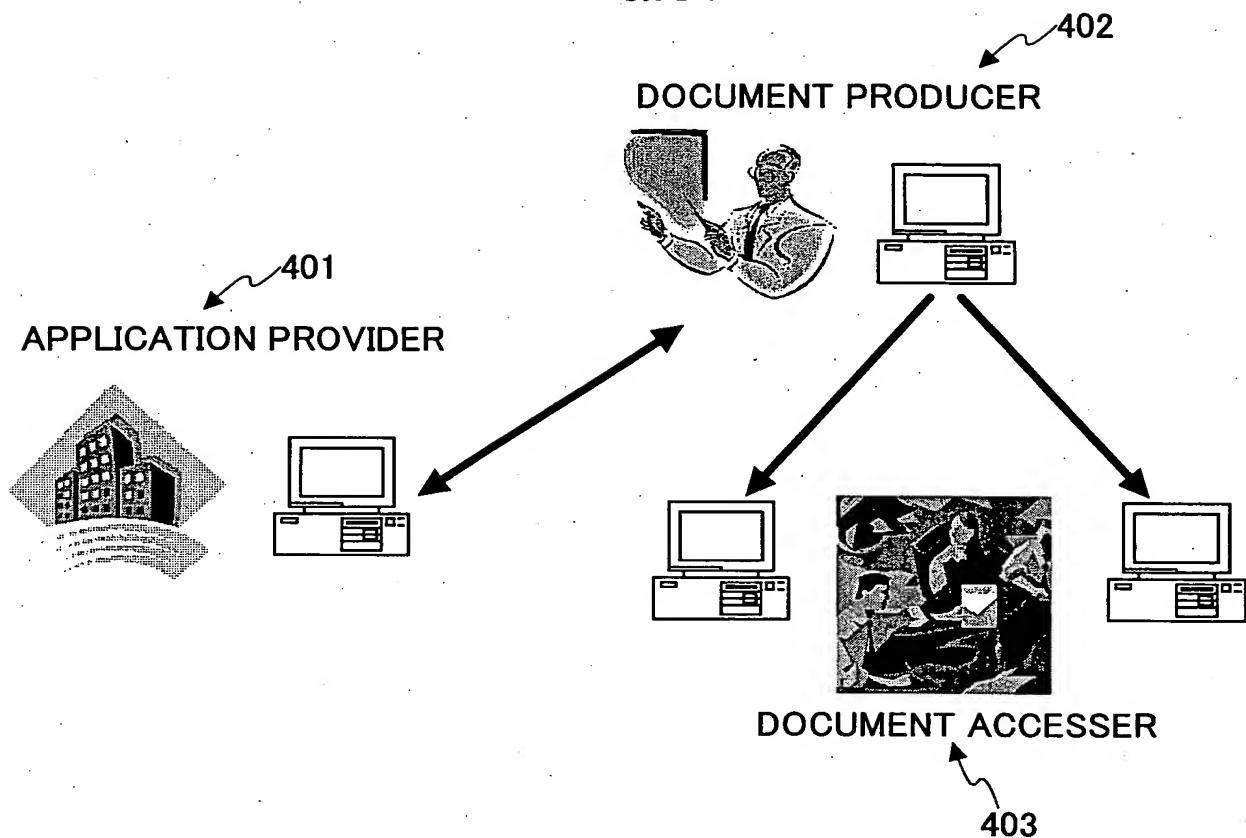


FIG.81

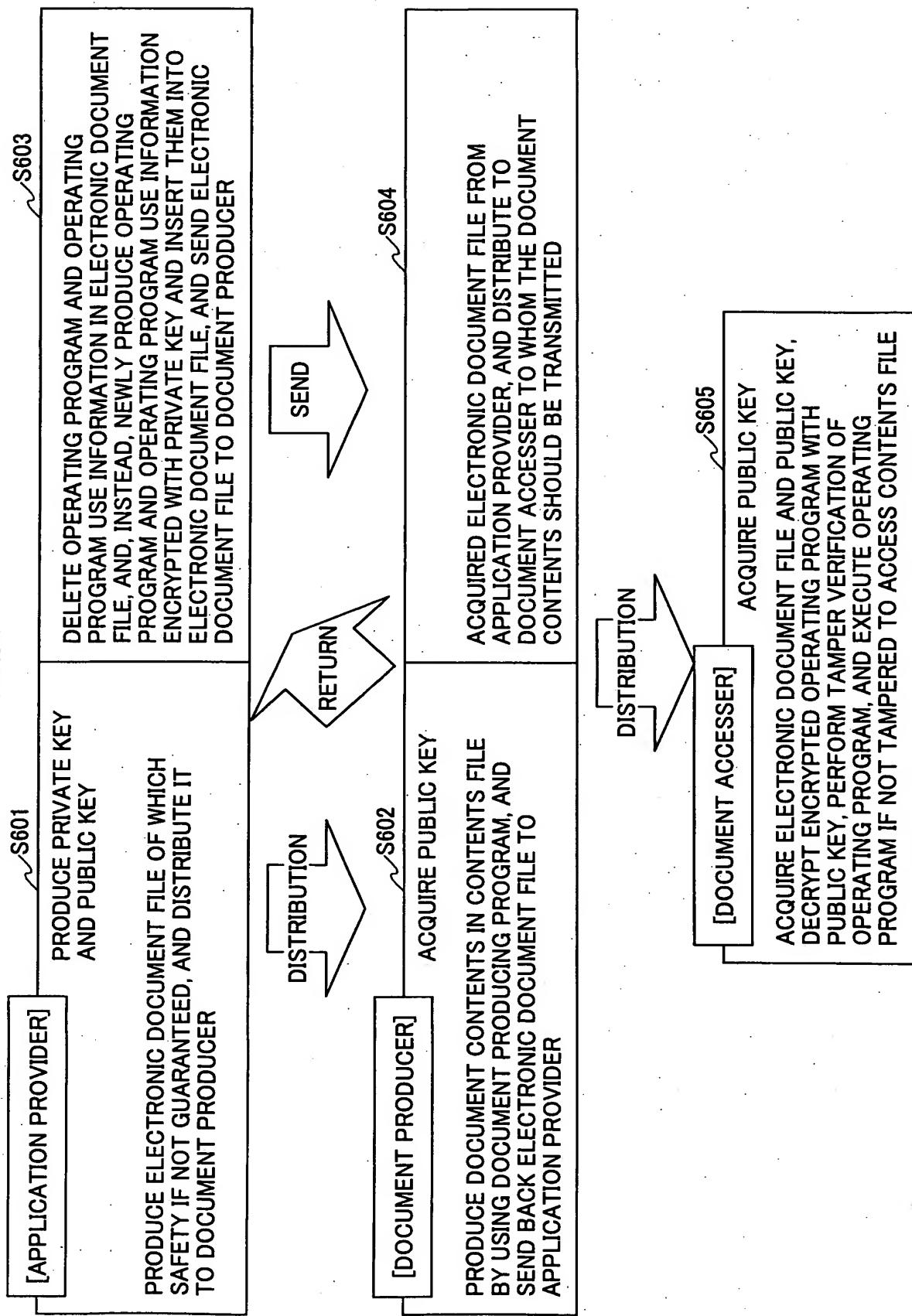


FIG.82

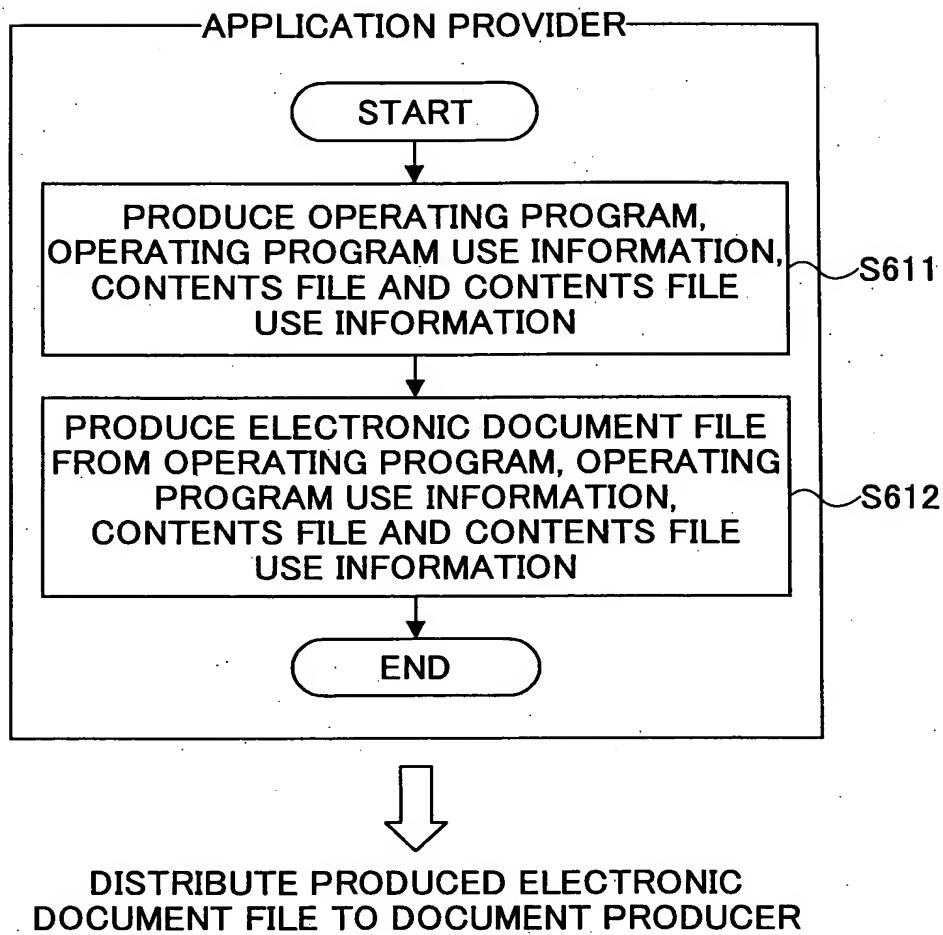


FIG.83

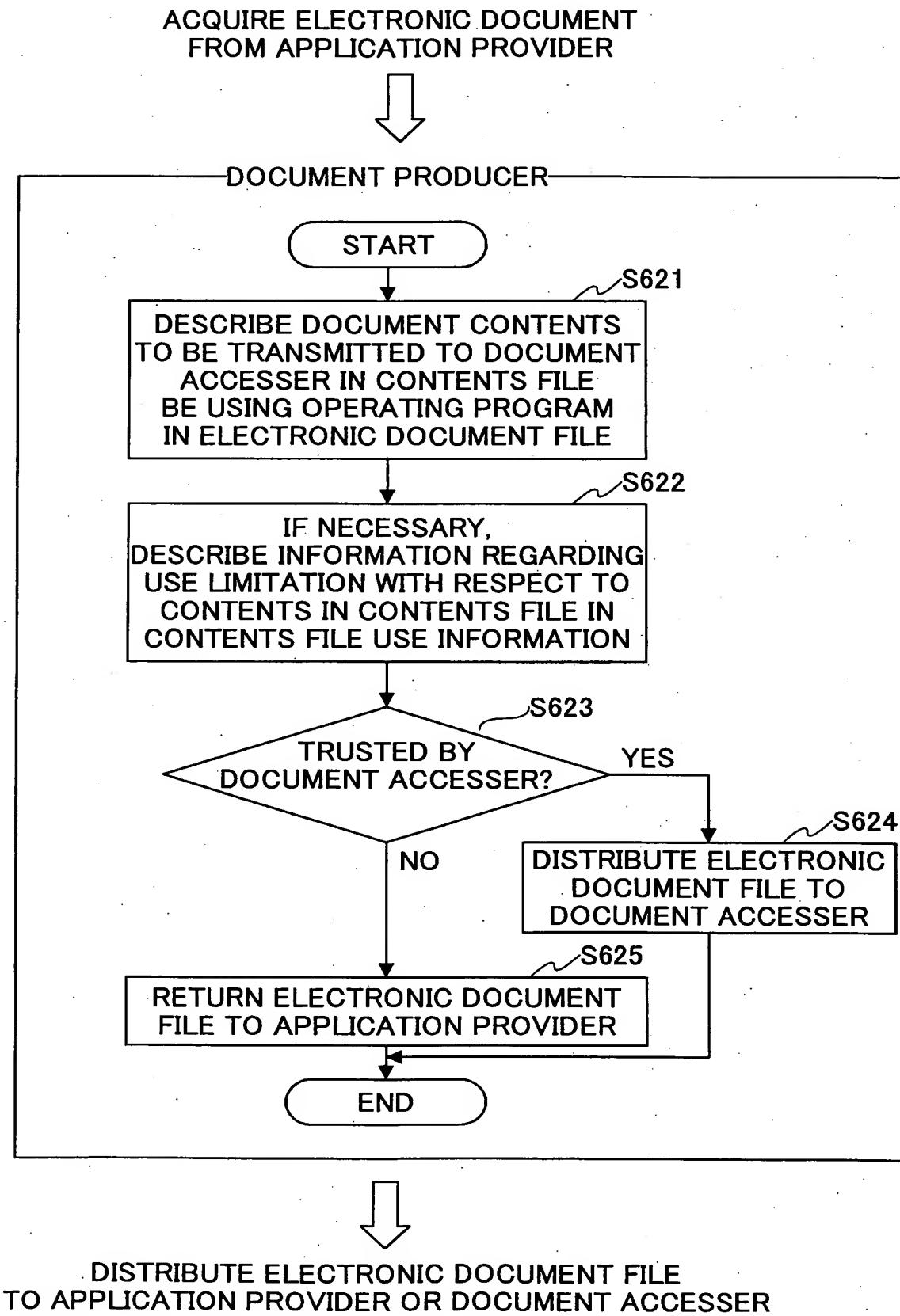


FIG.84

ACQUIRE ELECTRONIC DOCUMENT FILE
FROM DOCUMENT PRODUCER

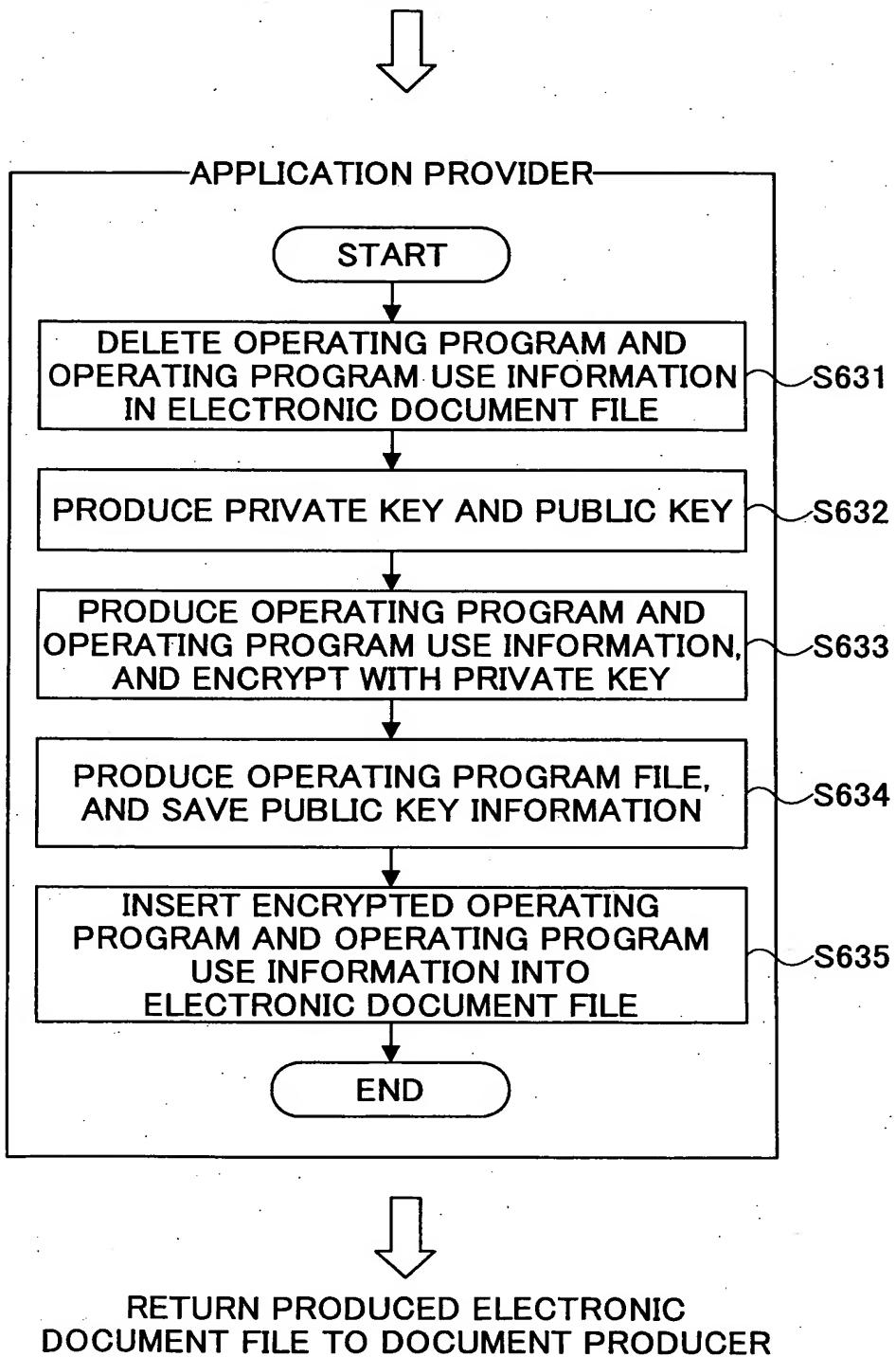


FIG.85

ACQUIRE ELECTRONIC DOCUMENT FILE
FROM APPLICATION PROVIDER

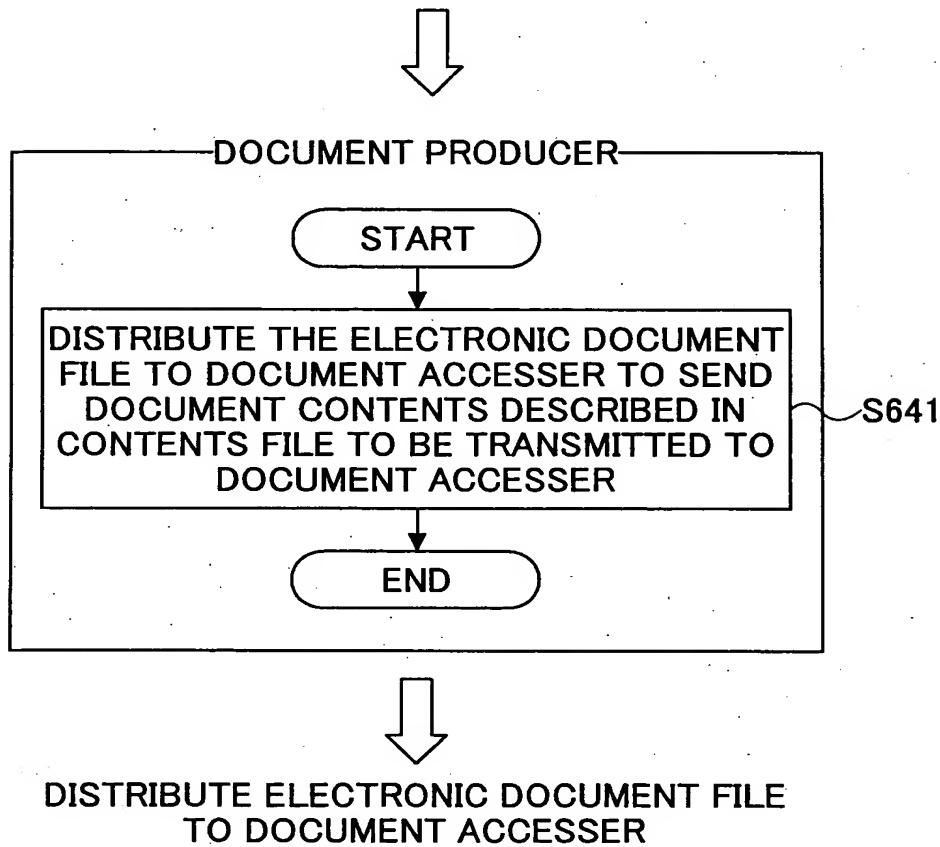


FIG.86

ACQUIRE ELECTRONIC DOCUMENT FILE AND
PUBLIC KEY FROM ELECTRONIC DOCUMENT FILE

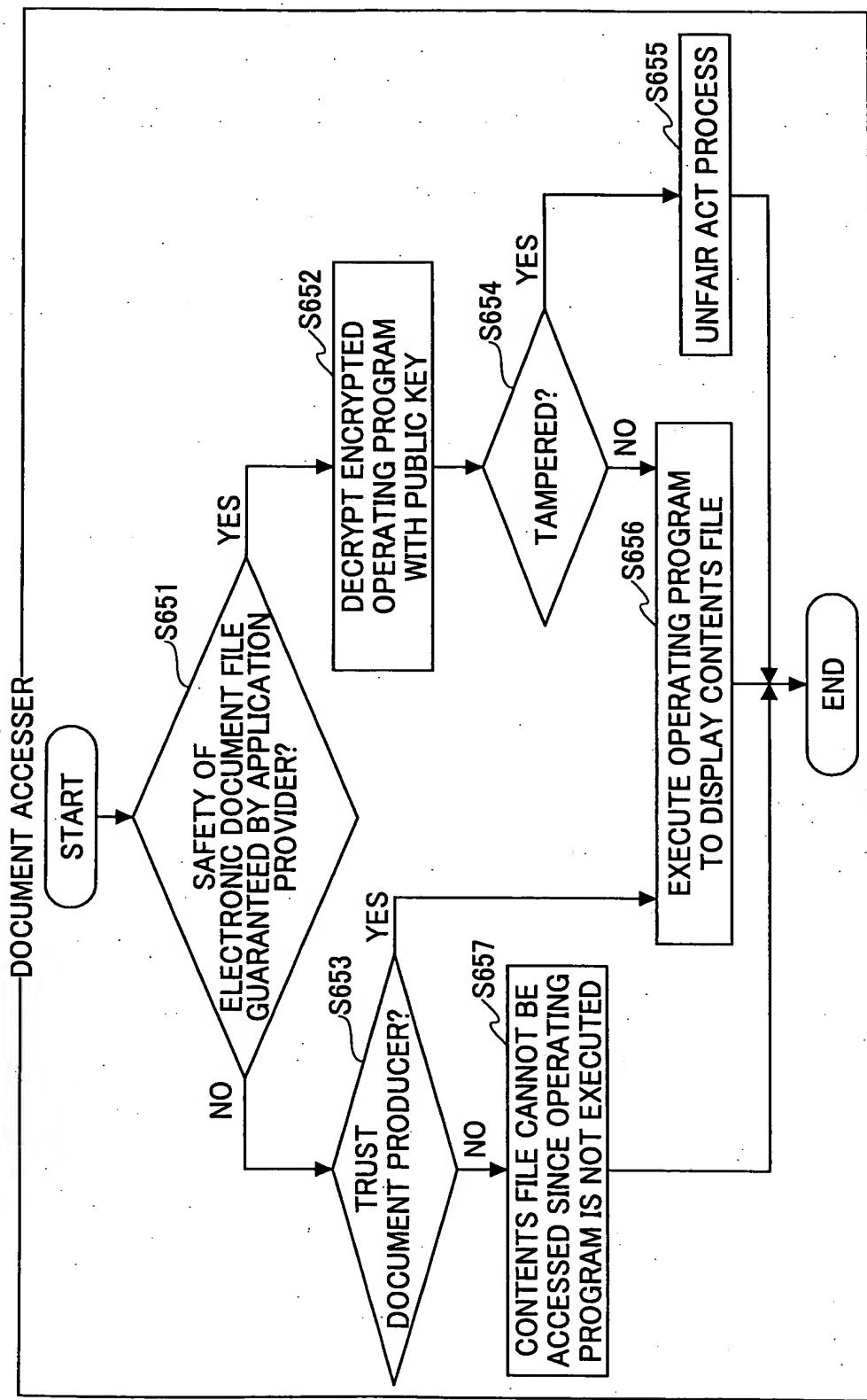


FIG.87

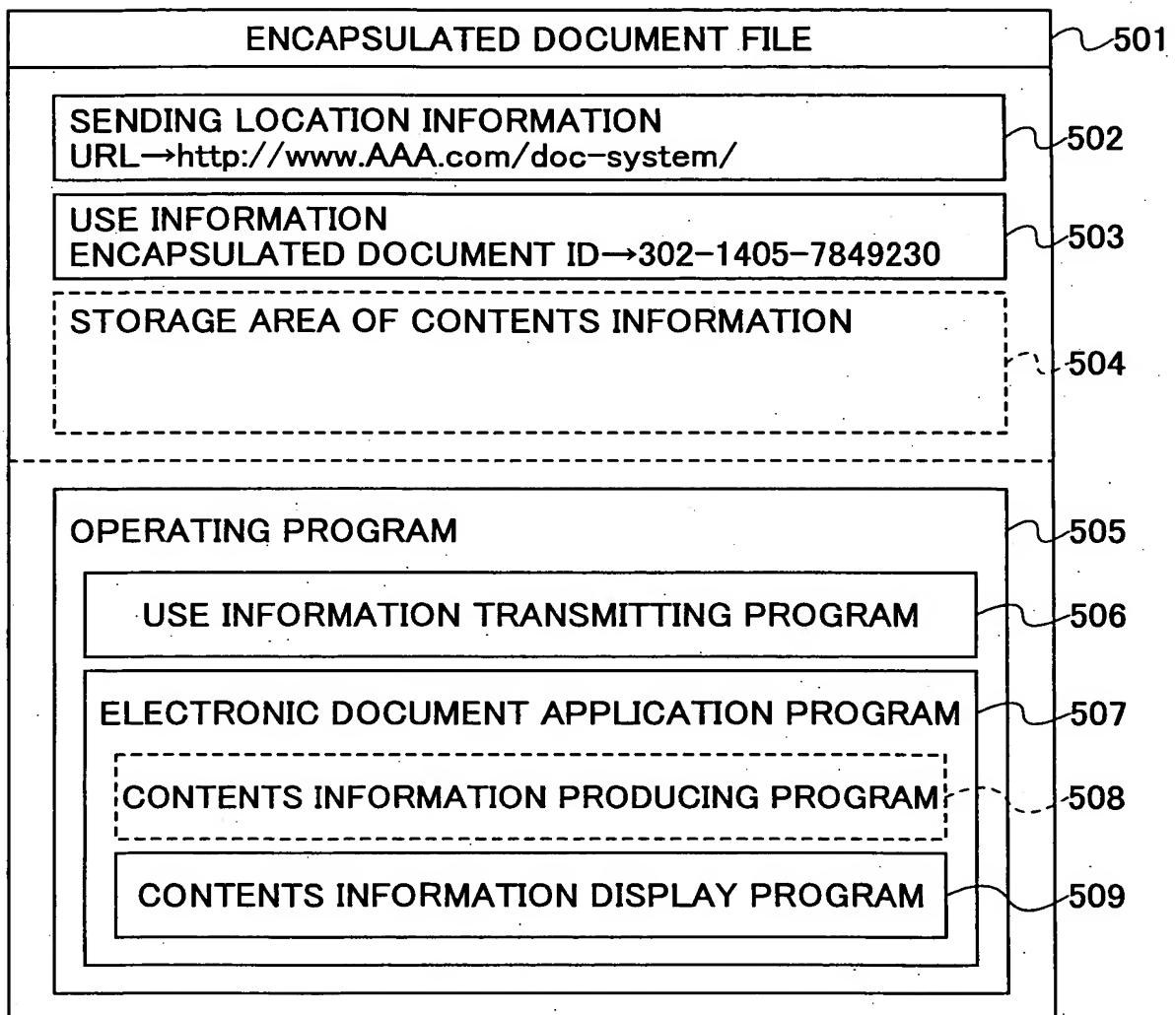


FIG.88

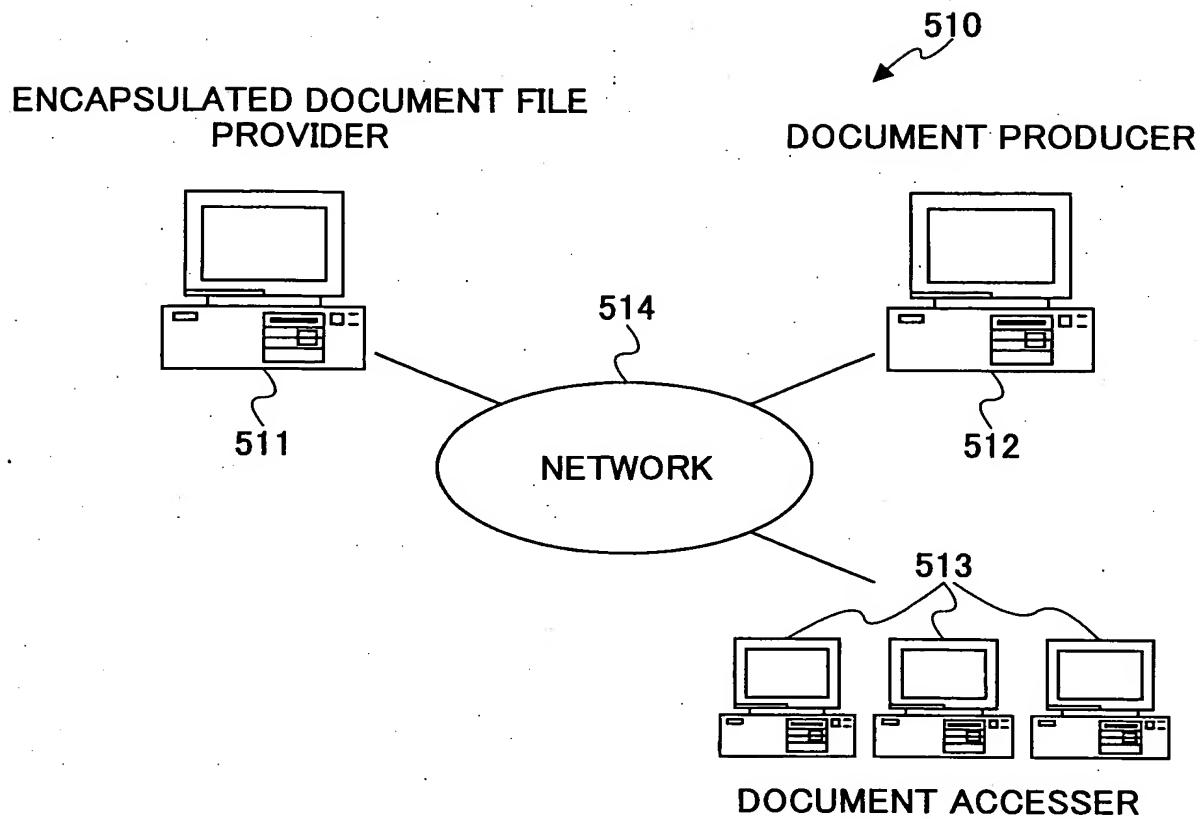


FIG.89

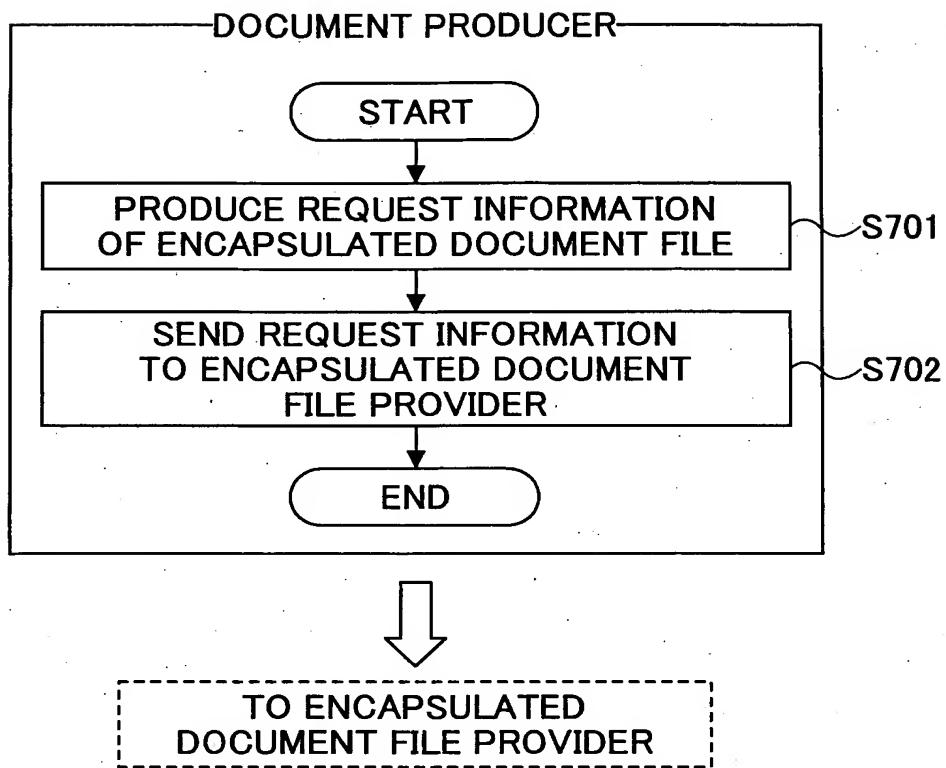


FIG.90

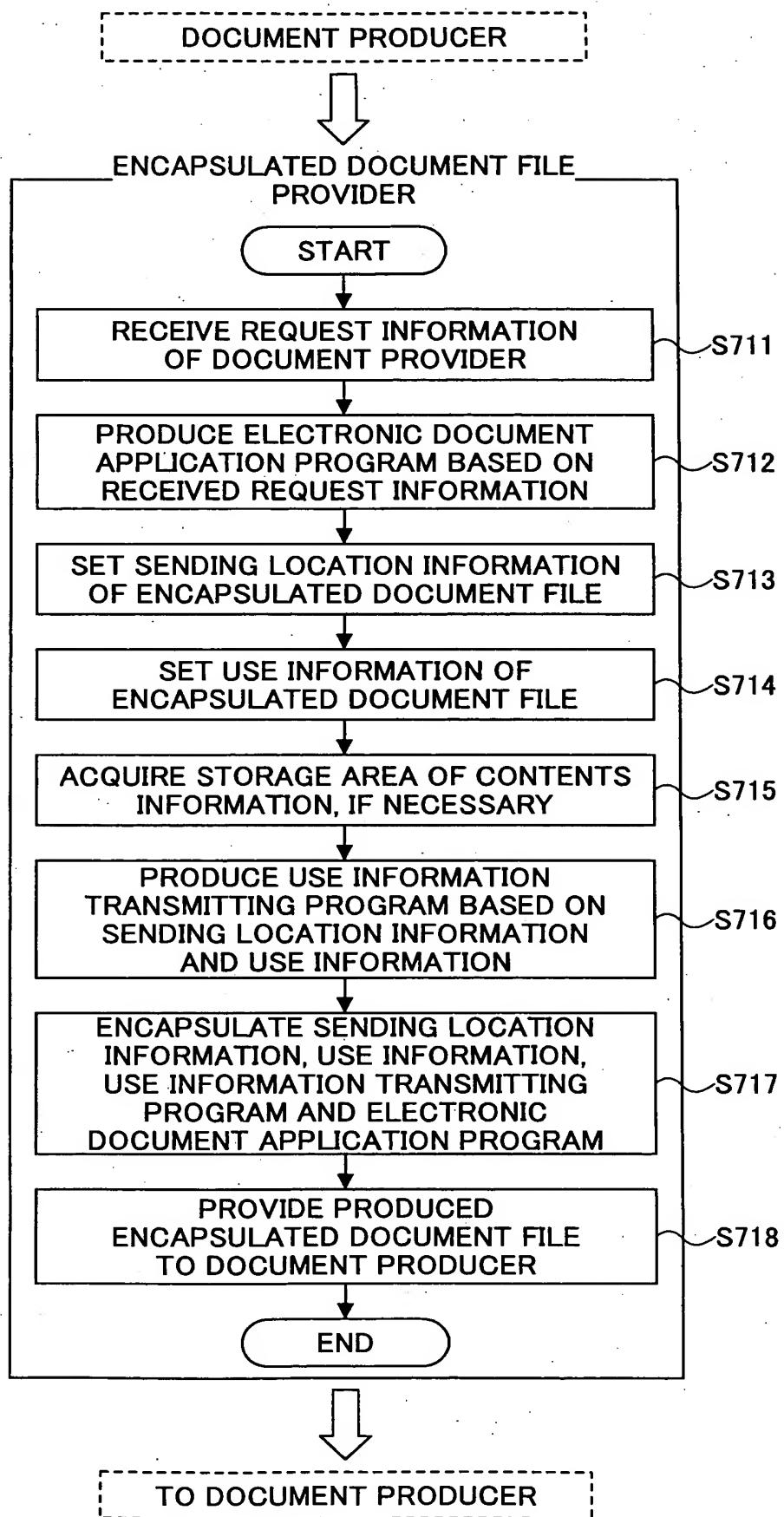


FIG.91

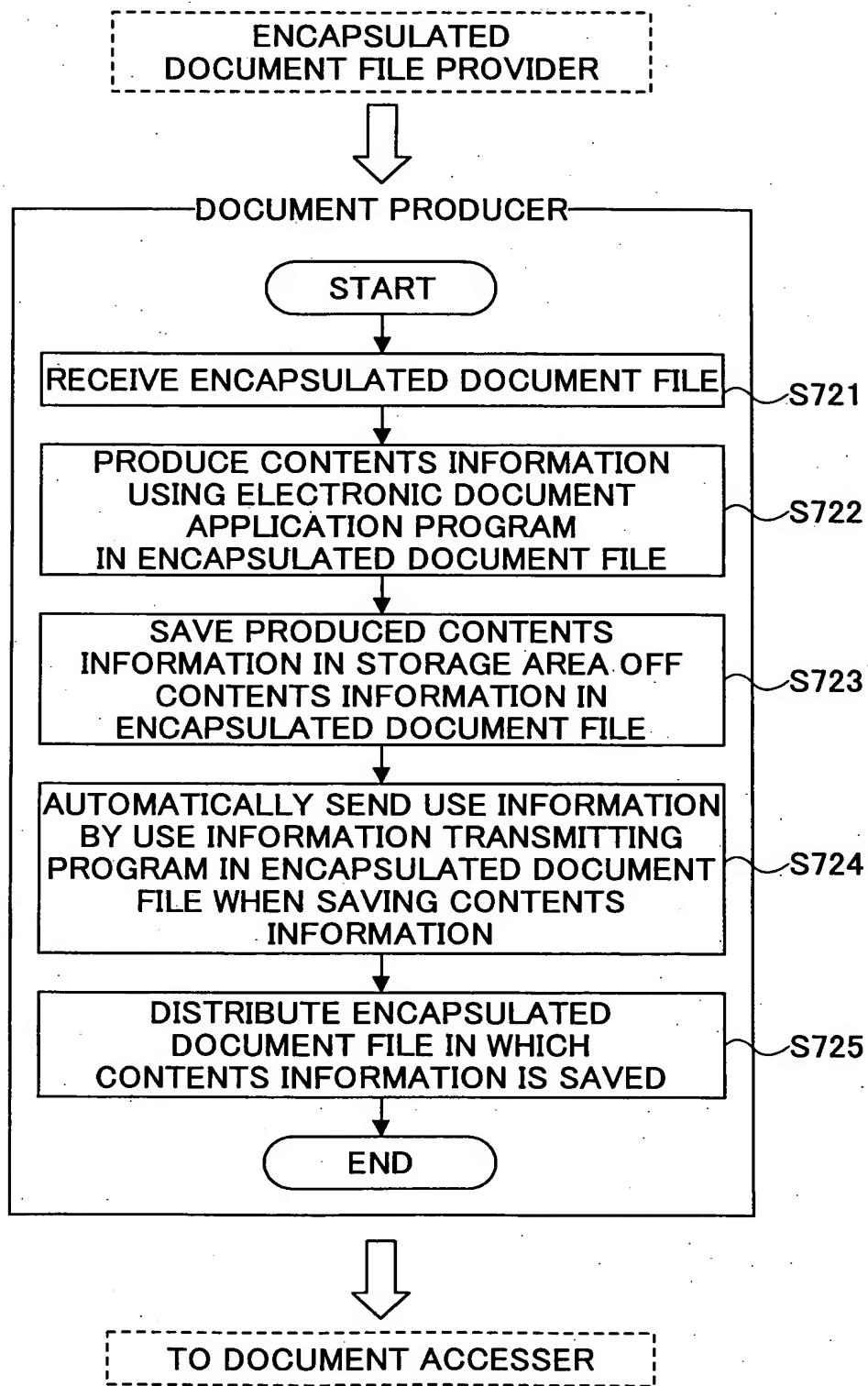


FIG.92

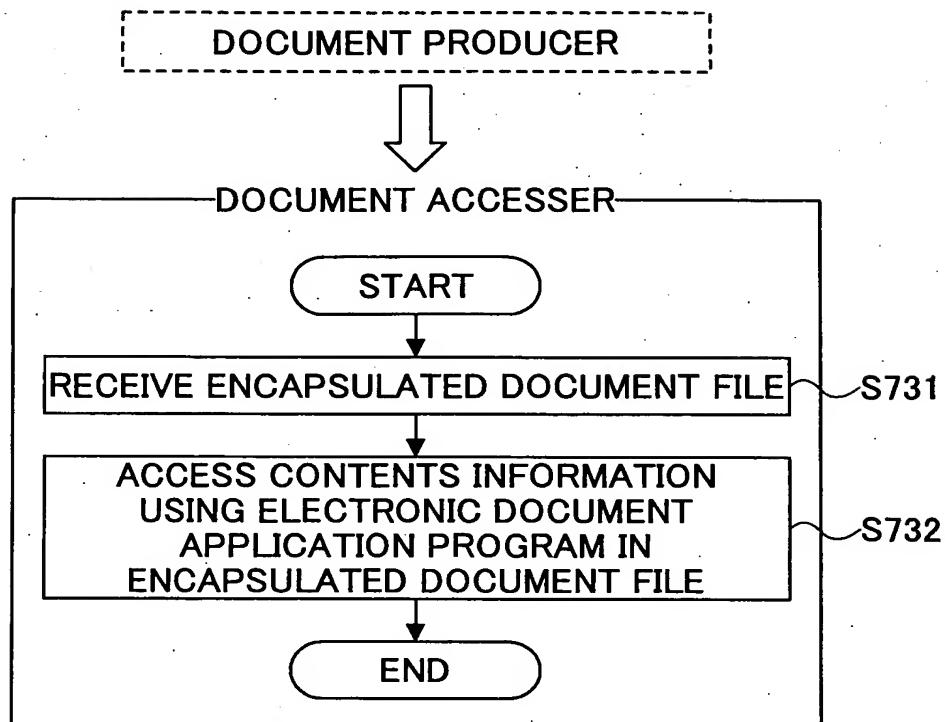


FIG.93

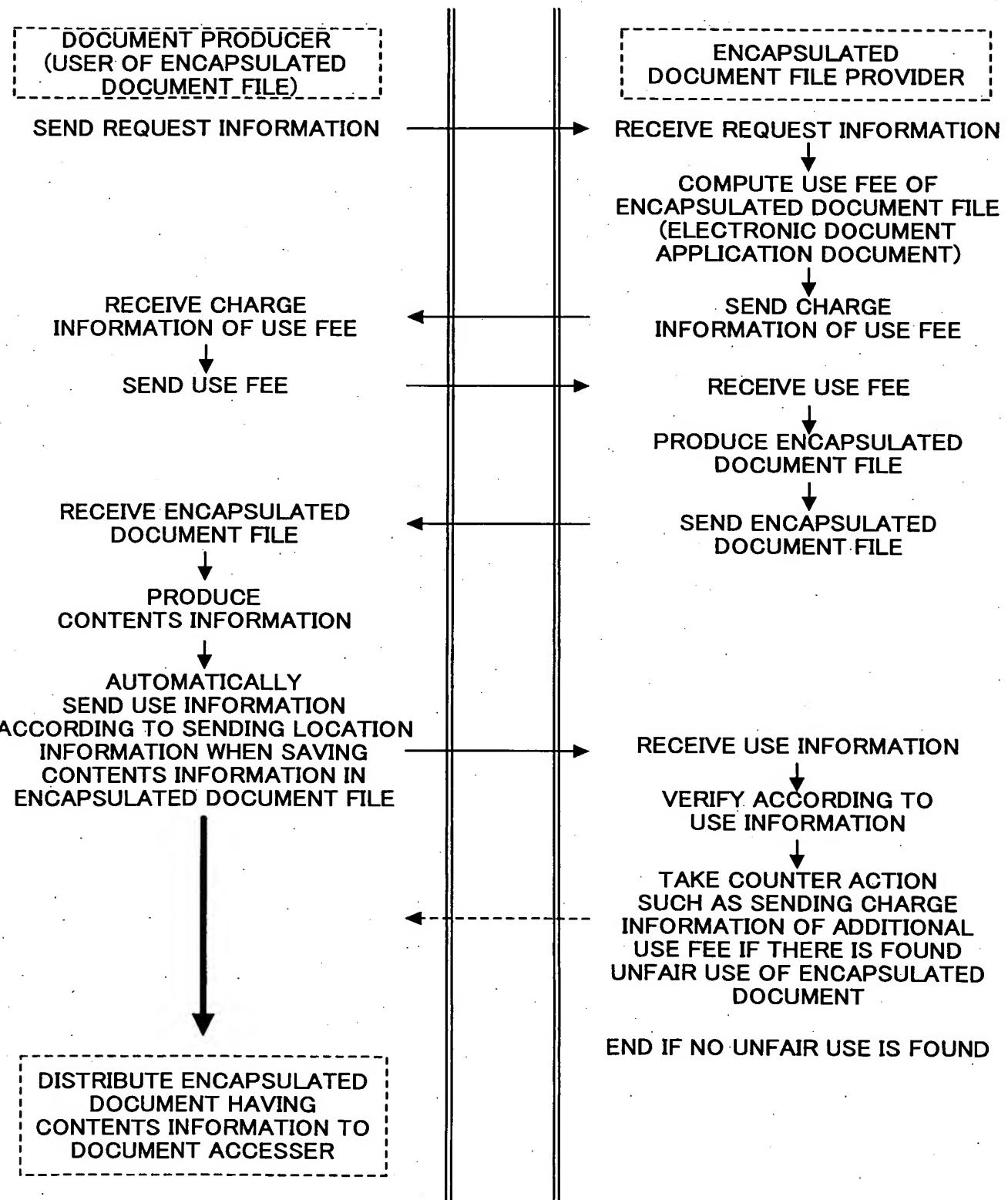


FIG.94

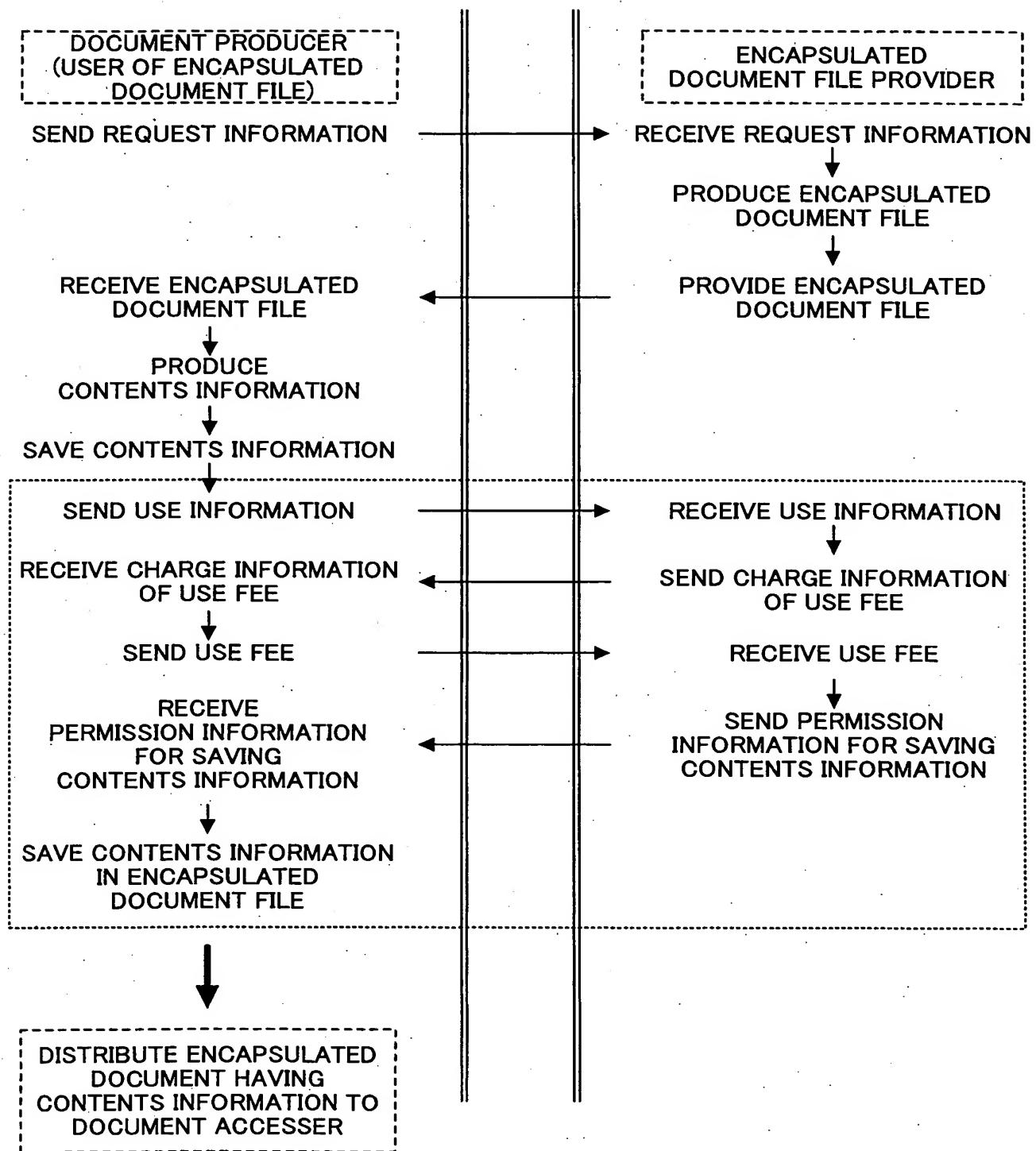


FIG.95

<USE INFORMATION>

<ID NUMBER OF ENCAPSULATED DOCUMENT ID="302-1405-7849230"/>

<LOG INFORMATION OF DOCUMENT PRODUCER NAME=TARO RICOH>
ID="001-00010000001"

LOCATION INFORMATION="www.writer.np.jp/taro-1/"

SYSTEM NUMBER="794-1192-1048732"/>

<CONTENTS INFORMATION USE LIMIT NUMBER="3"

FEATURE AMOUNT:1="8KBDi/setasetutwetsptaett/qc"

INFORMATION AMOUNT:1="64MB"

PRODUCE DATE:1="2003.01.12"

FEATURE AMOUNT:2="7588i/thuisheuthaihgerettt/pf"

INFORMATION AMOUNT:2="128MB"

PRODUCE DATE:2="2003.01.15"

FEATURE AMOUNT:3="....."

INFORMATION AMOUNT:3="....."

PRODUCE DATE:3="....."/>

<TRANSMISSION HISTORY NUMBER OF TRANSMISSION="3"

LOCATION INFORMATION="www.ricoh.co.jp/location1/"

TRANSMISSION DATE="2003.01.15"/>

<OPERATING PROGRAM>

<USE INFORMATION TRANSMISSION PROGRAM ID="001-01"

LOCATION INFORMATION="www.ricoh.co.jp/program1"/>

<CONTENTS INFORMATION SAVE PROGRAM ID="002-01"

SAVE PERMISSION INFORMATION="false"

LOCATION INFORMATION="www.ricoh.co.jp/program2"/>

<ELECTRONIC DOCUMENT APPLICATION PROGRAM>

<CONTENTS INFORMATION PRODUCE PROGRAM ID="011-01"

LOCATION INFORMATION="www.ricoh.co.jp/program11"/>

<CONTENTS INFORMATION PRODUCE PROGRAM ID="012-01"

LOCATION INFORMATION="www.ricoh.co.jp/program12"/>

</ELECTRONIC DOCUMENT APPLICATION PROGRAM>

<OPERATING PROGRAM>

</USE INFORMATION>

FIG.96

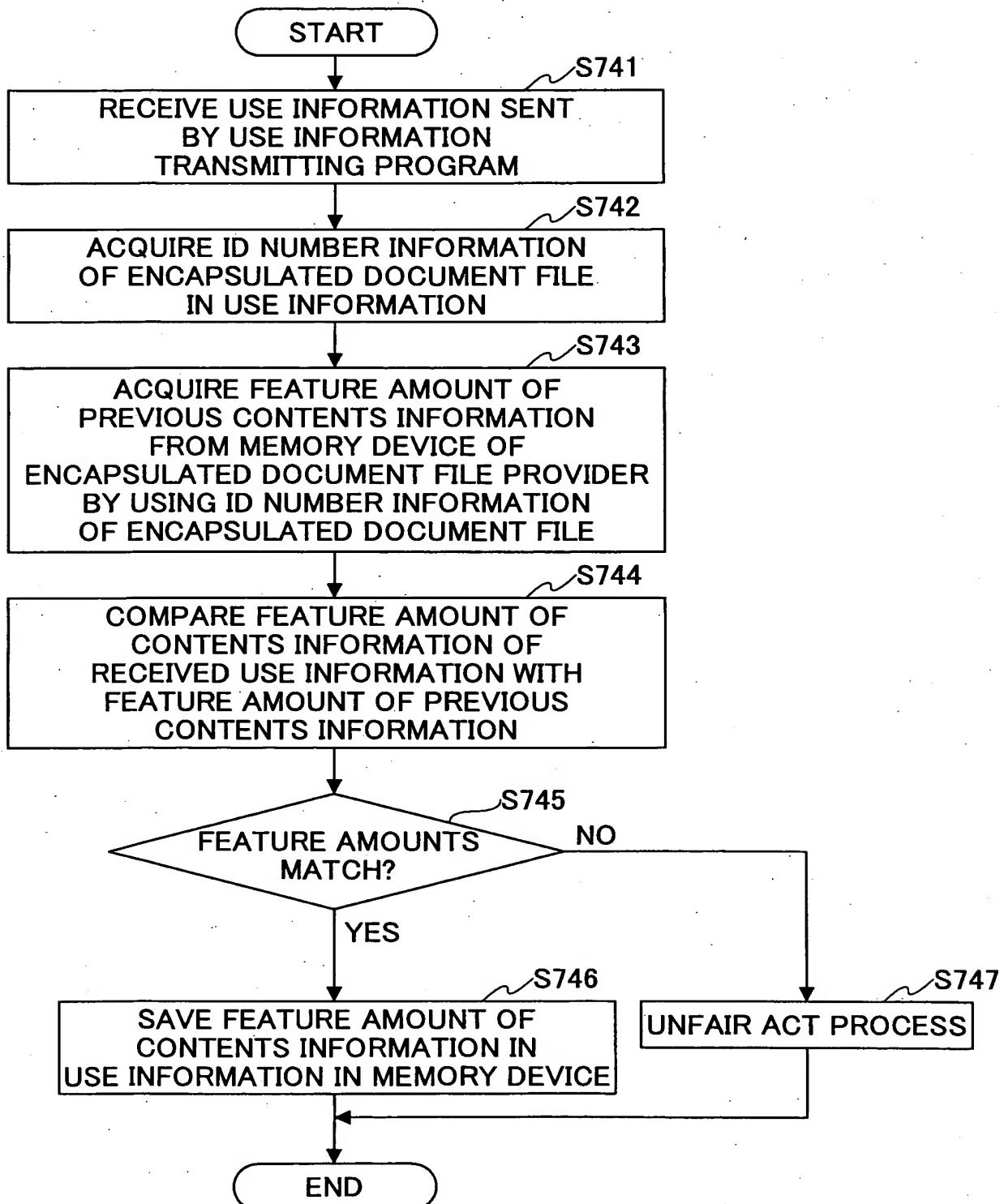


FIG.97

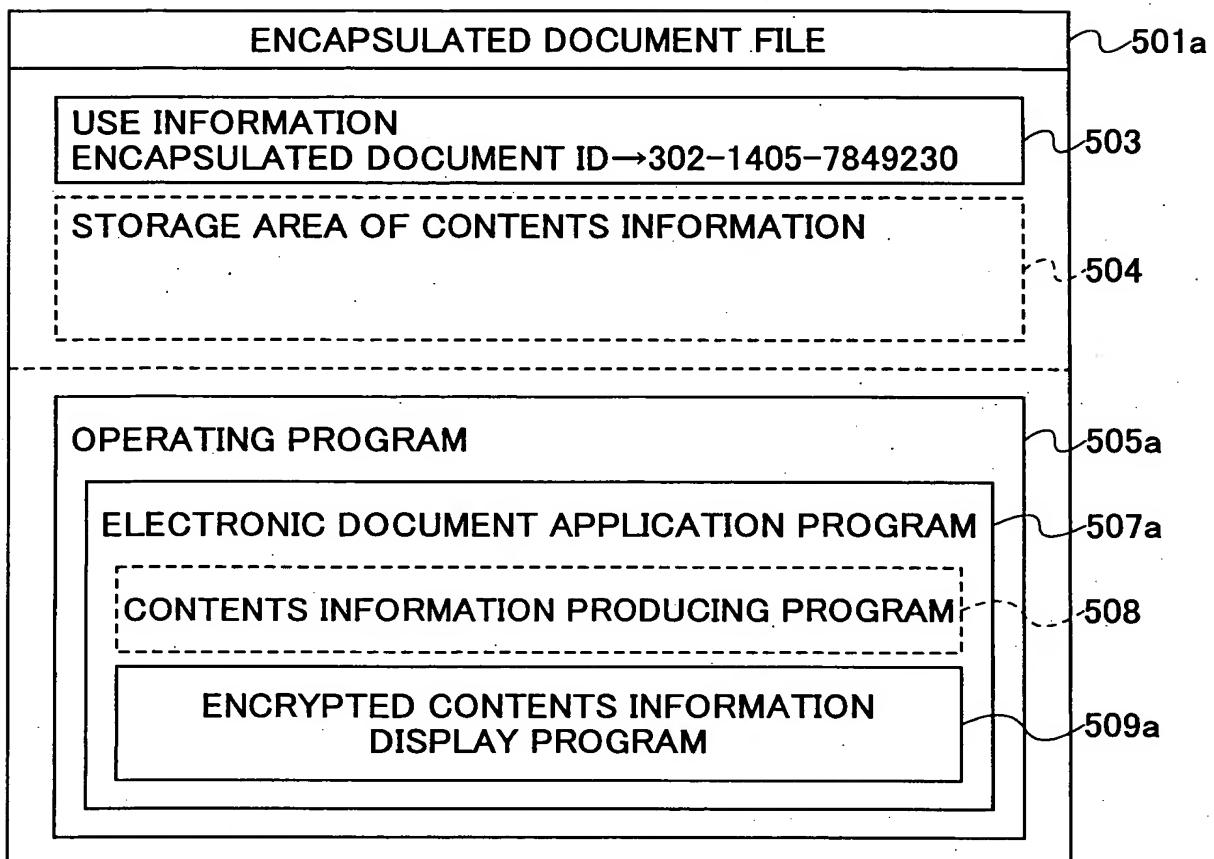


FIG.98

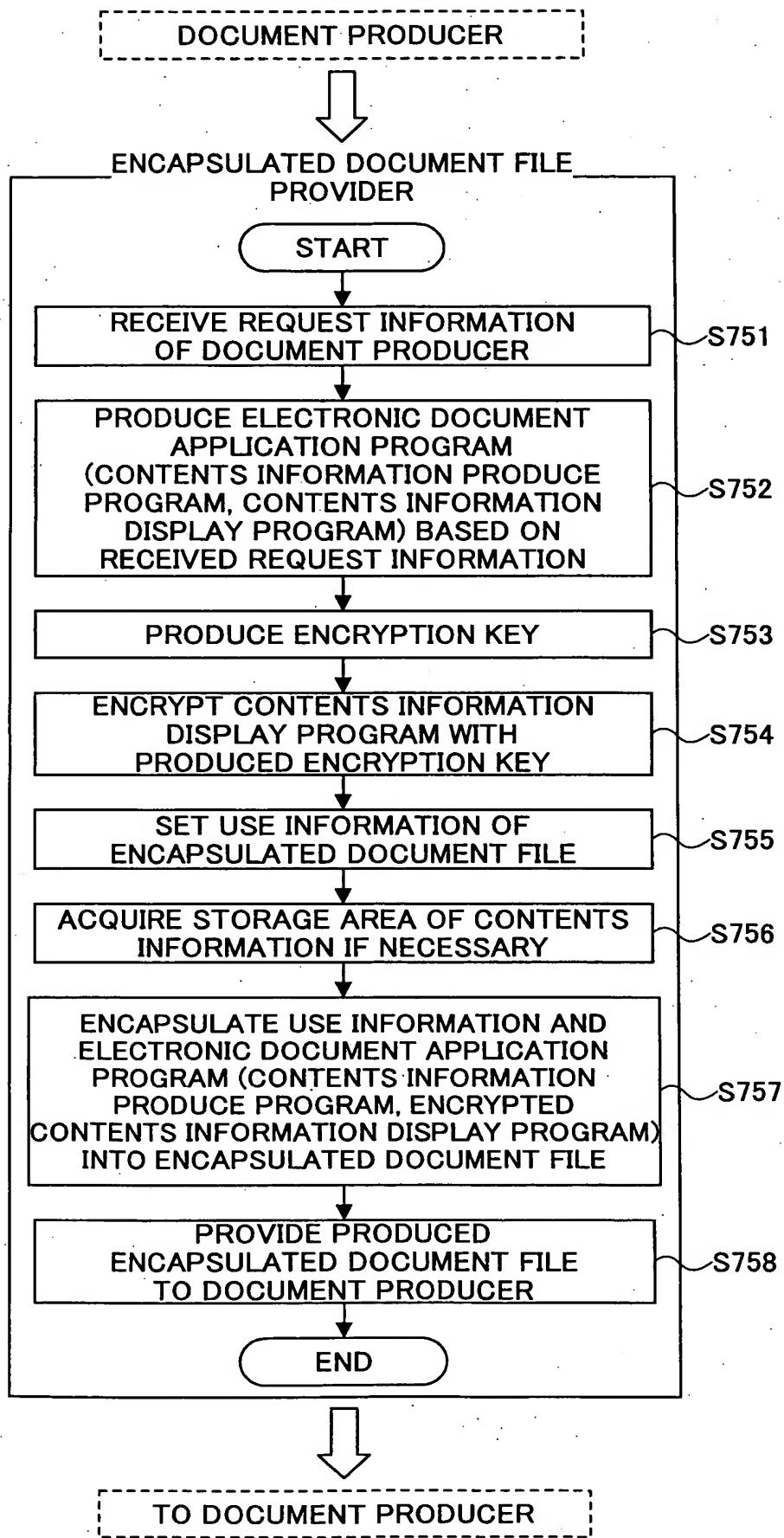


FIG.99

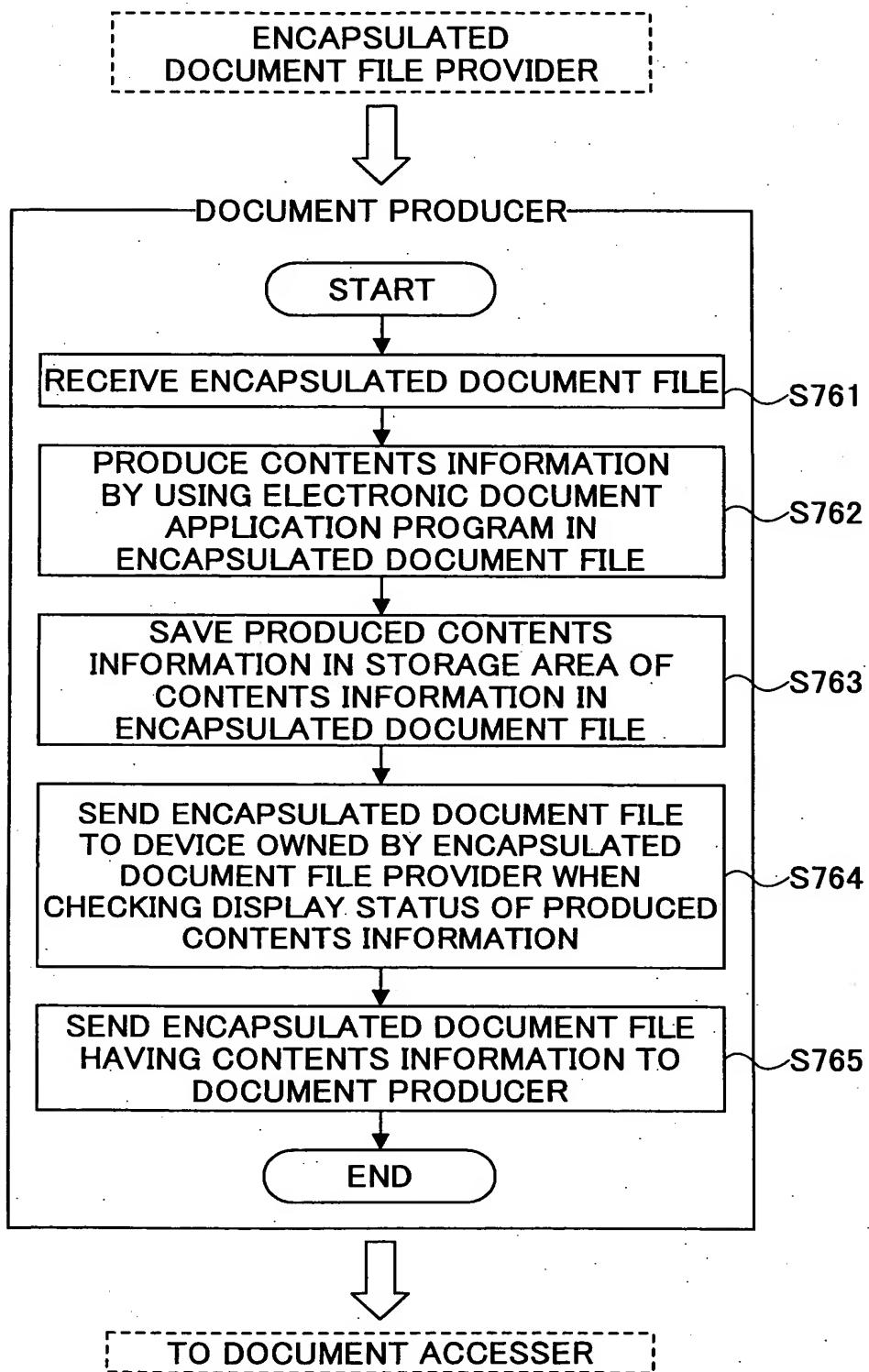


FIG.100

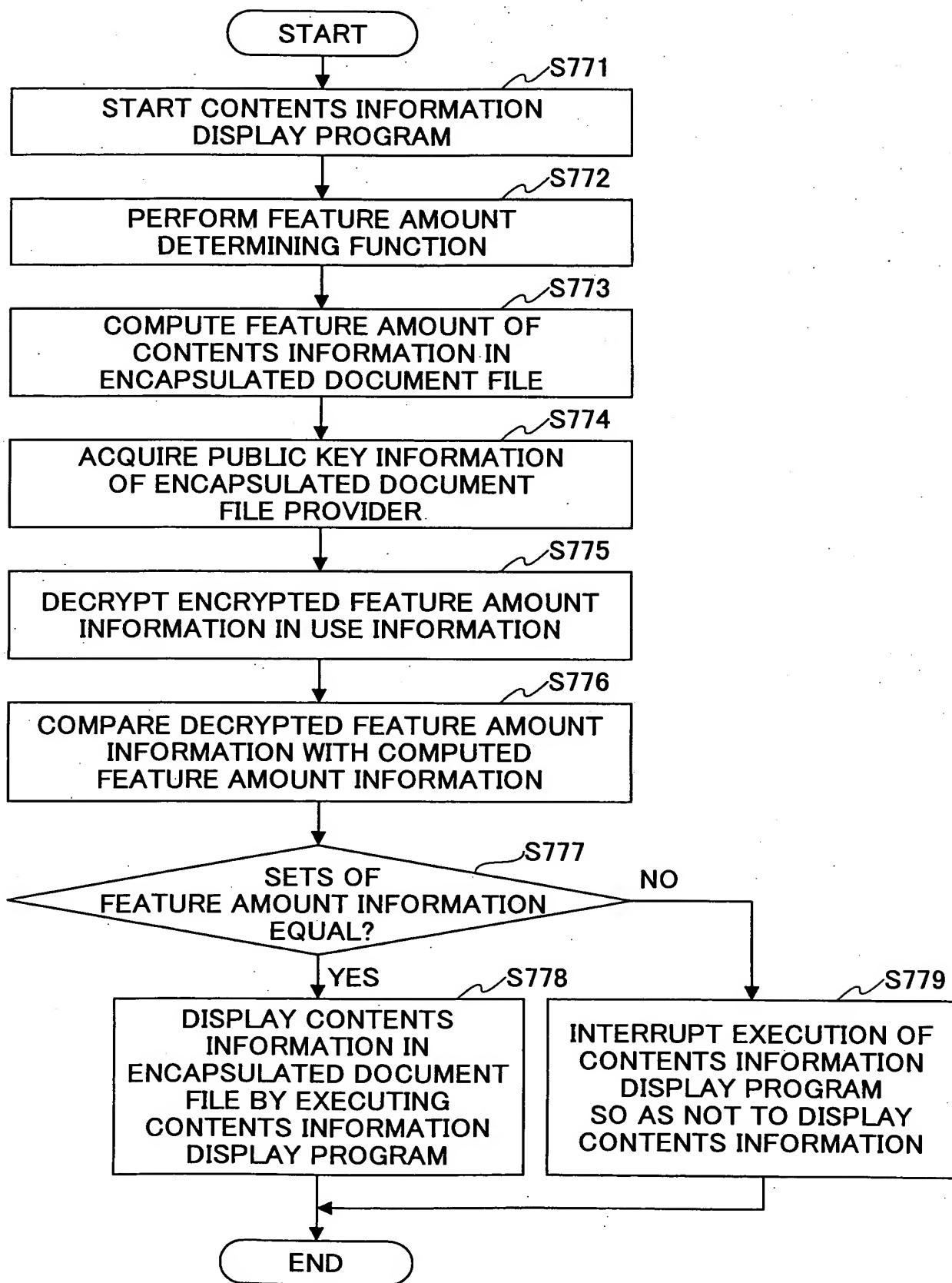


FIG.101

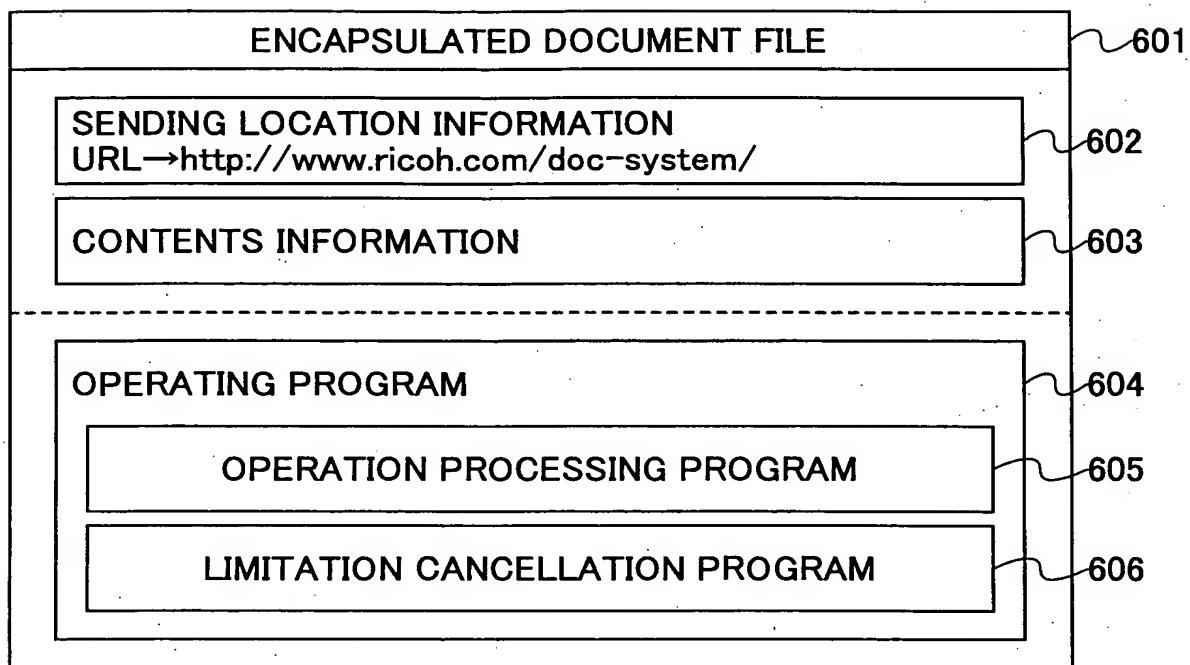


FIG.102

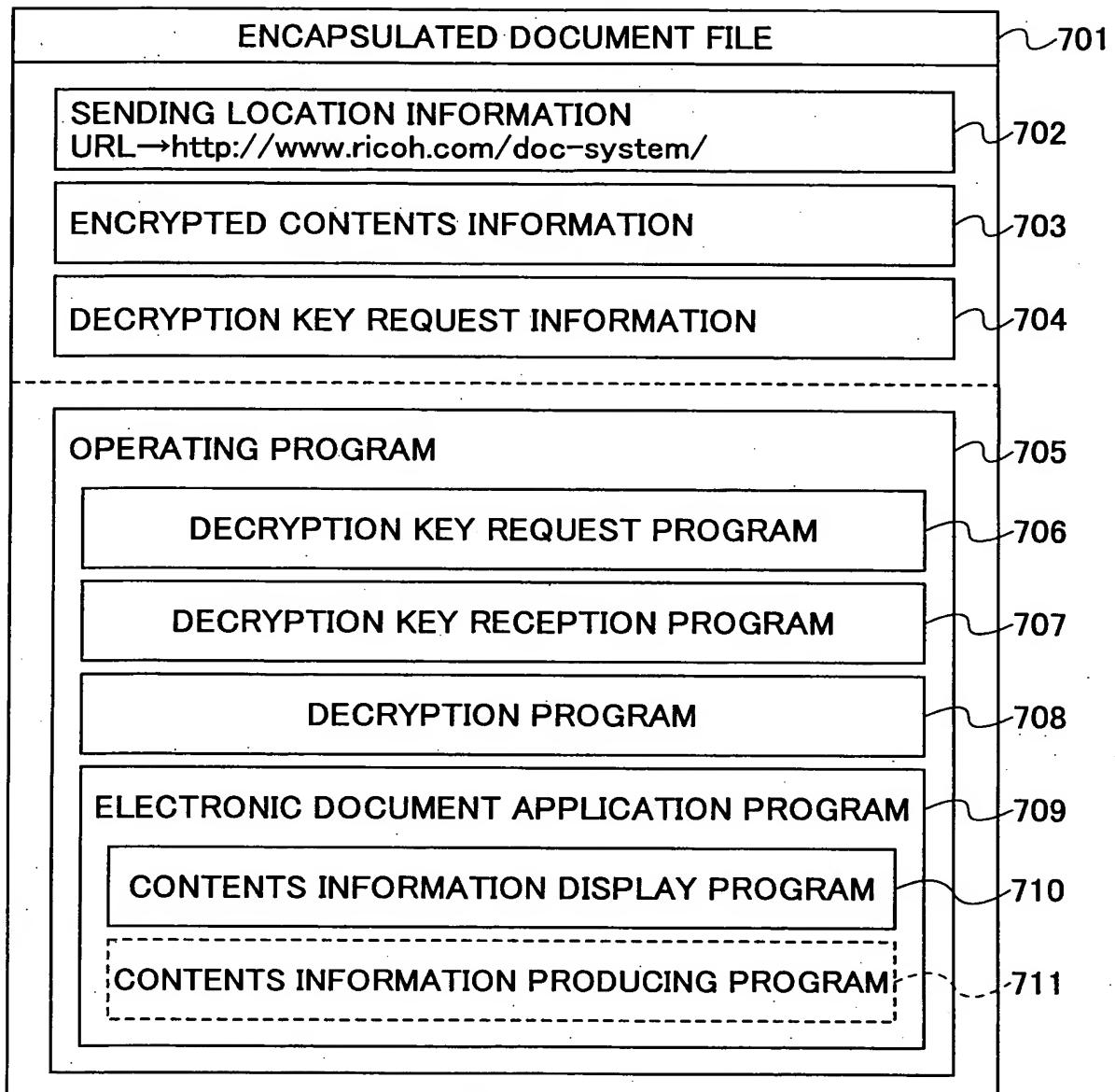


FIG.103

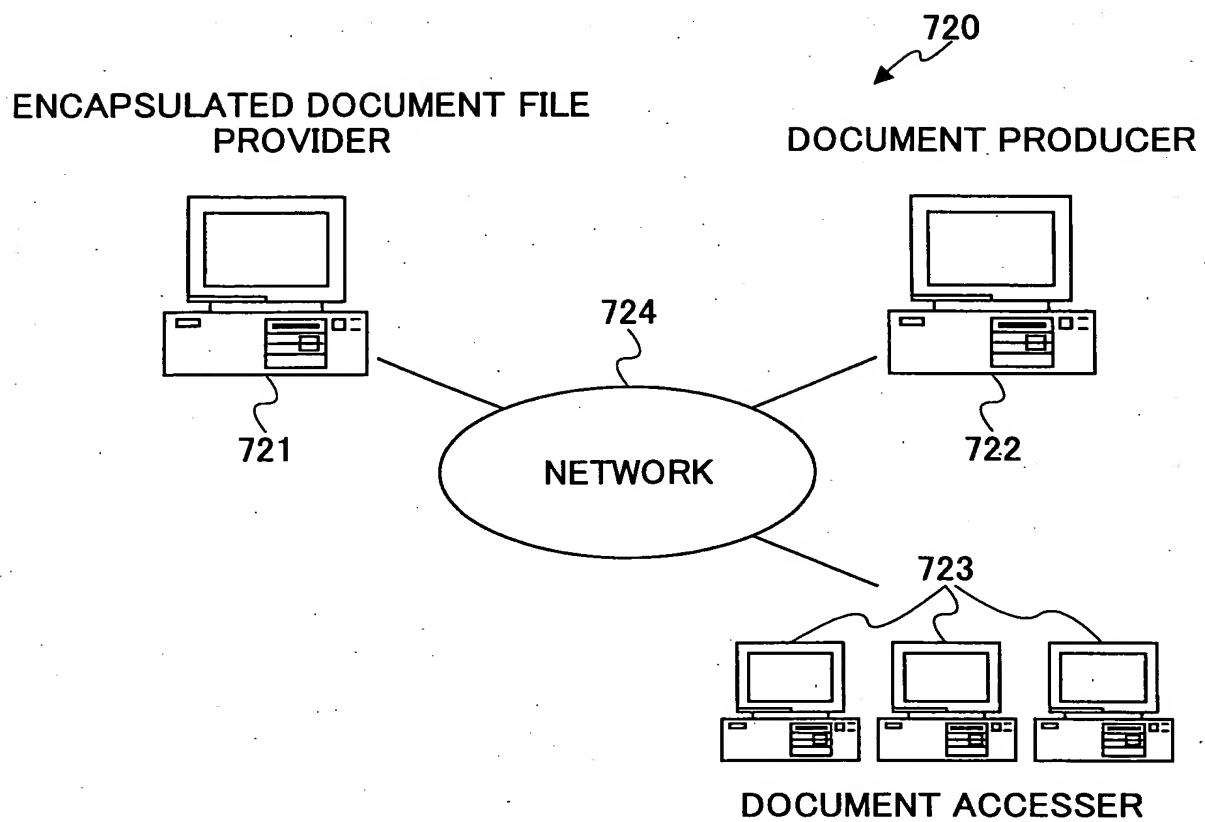


FIG.104

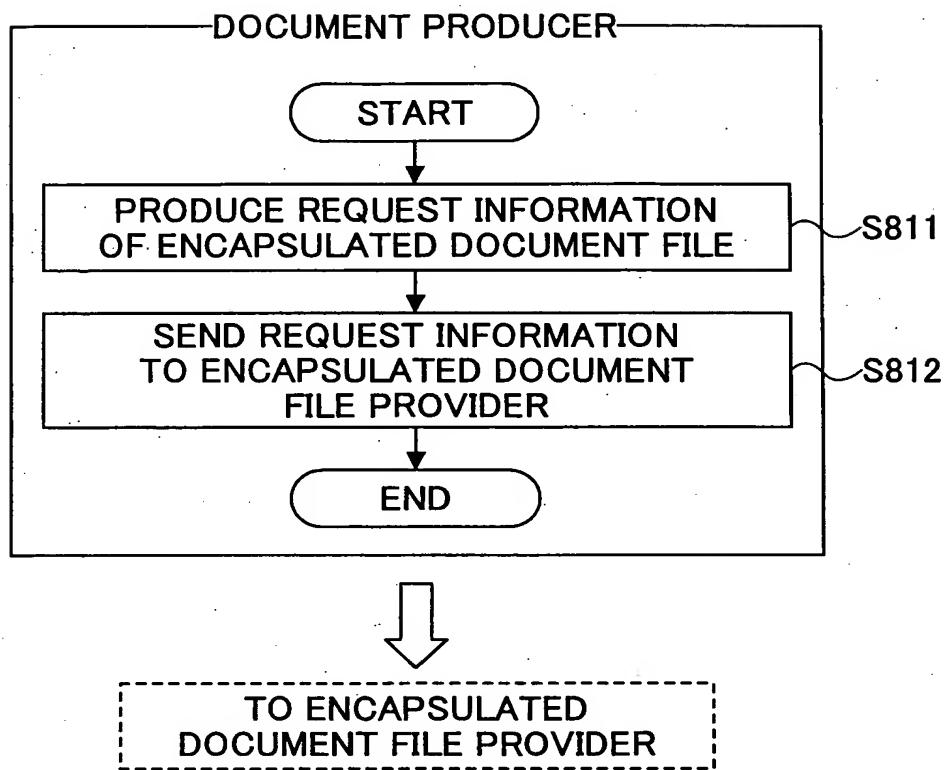


FIG.105

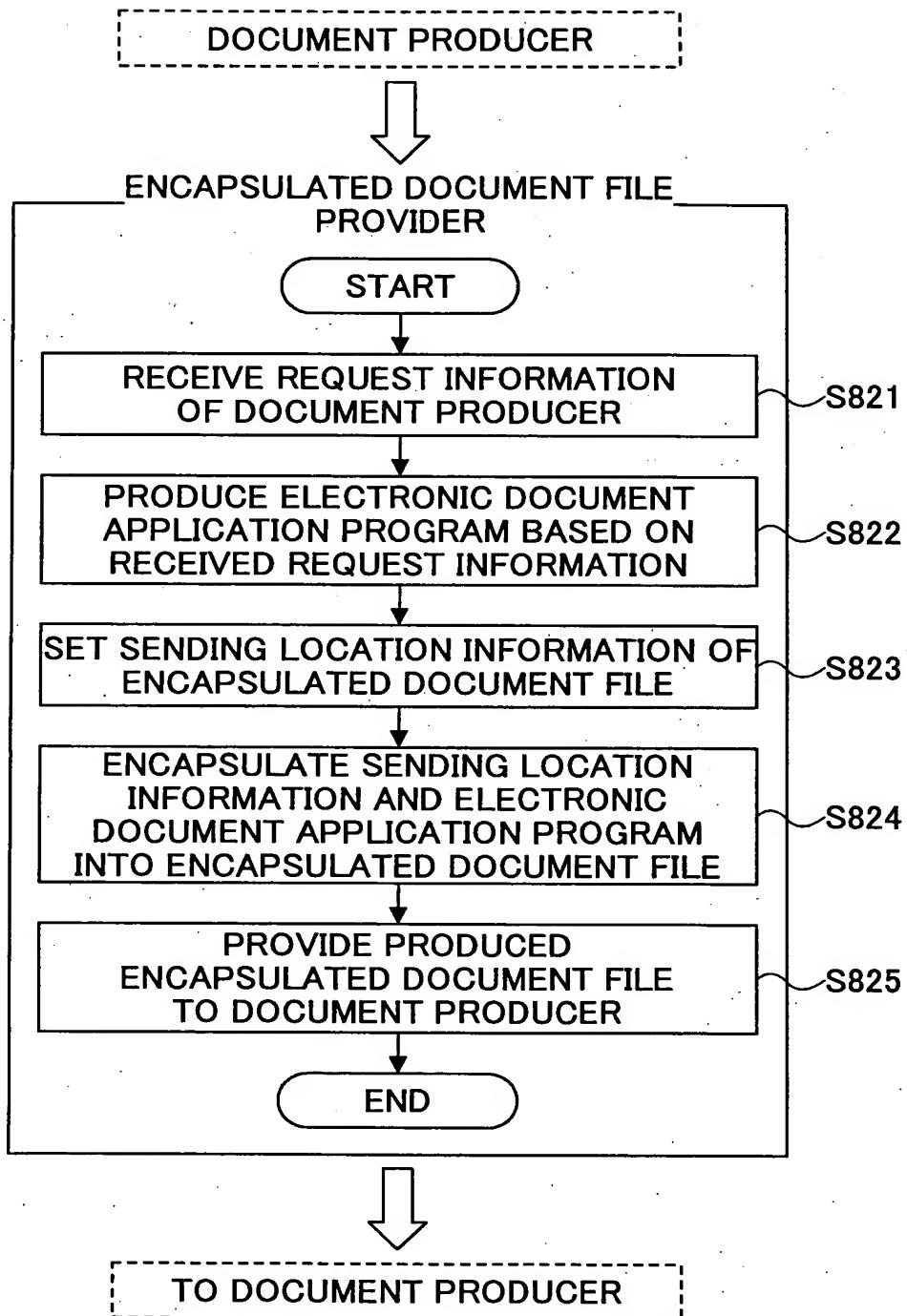


FIG.106

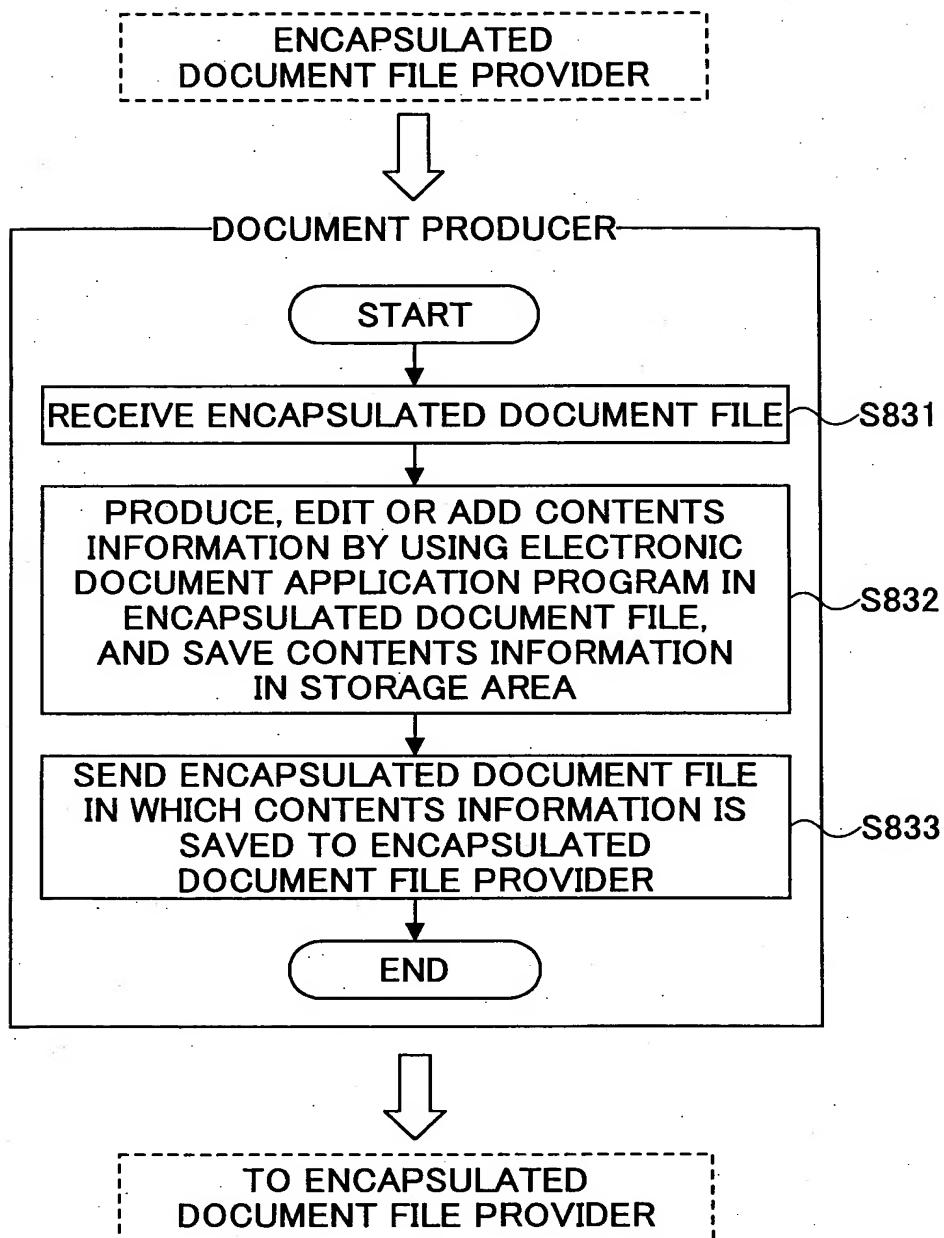


FIG.107

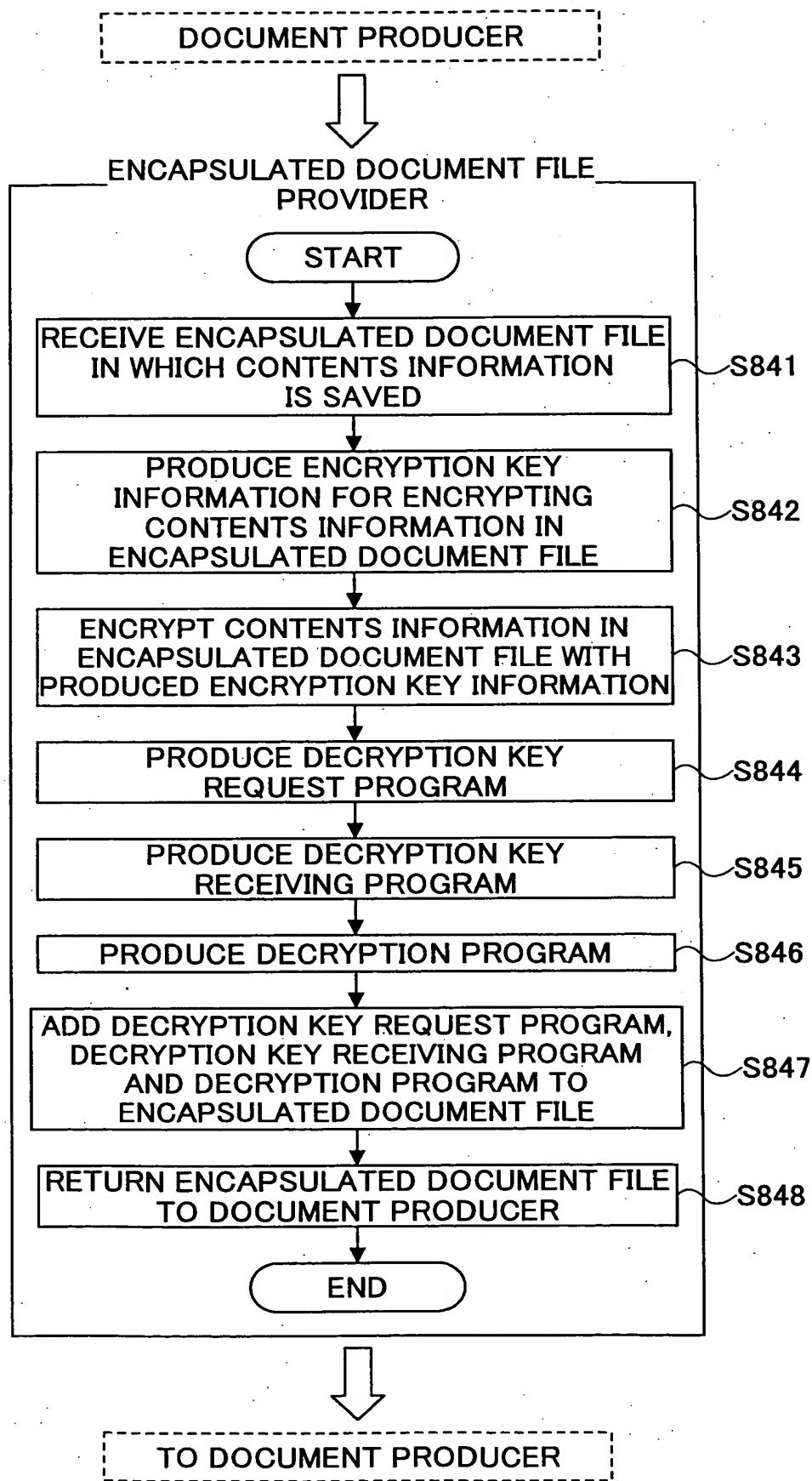


FIG.108

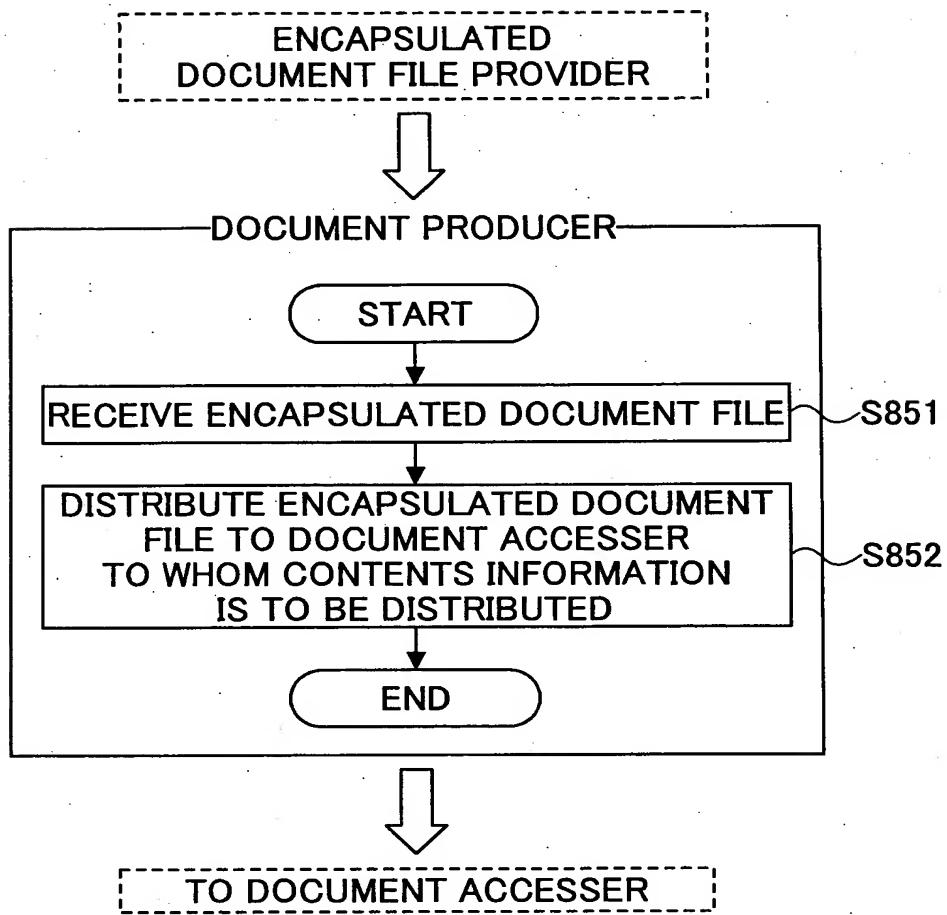


FIG.109

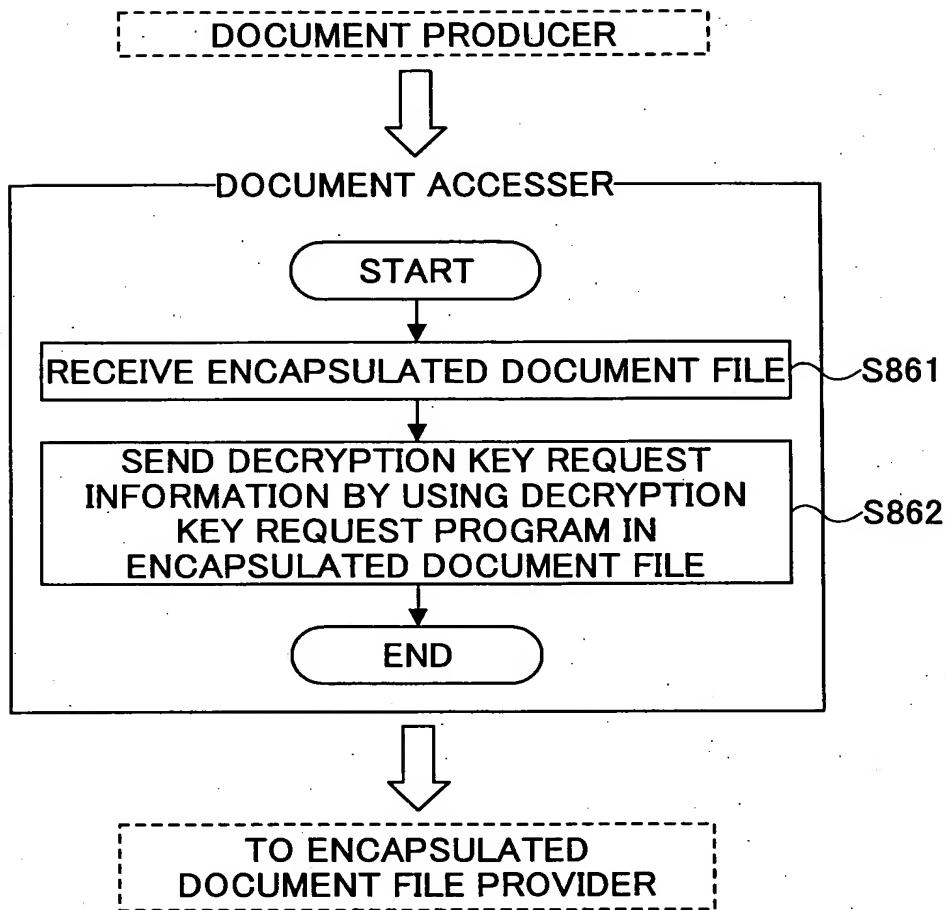


FIG.110

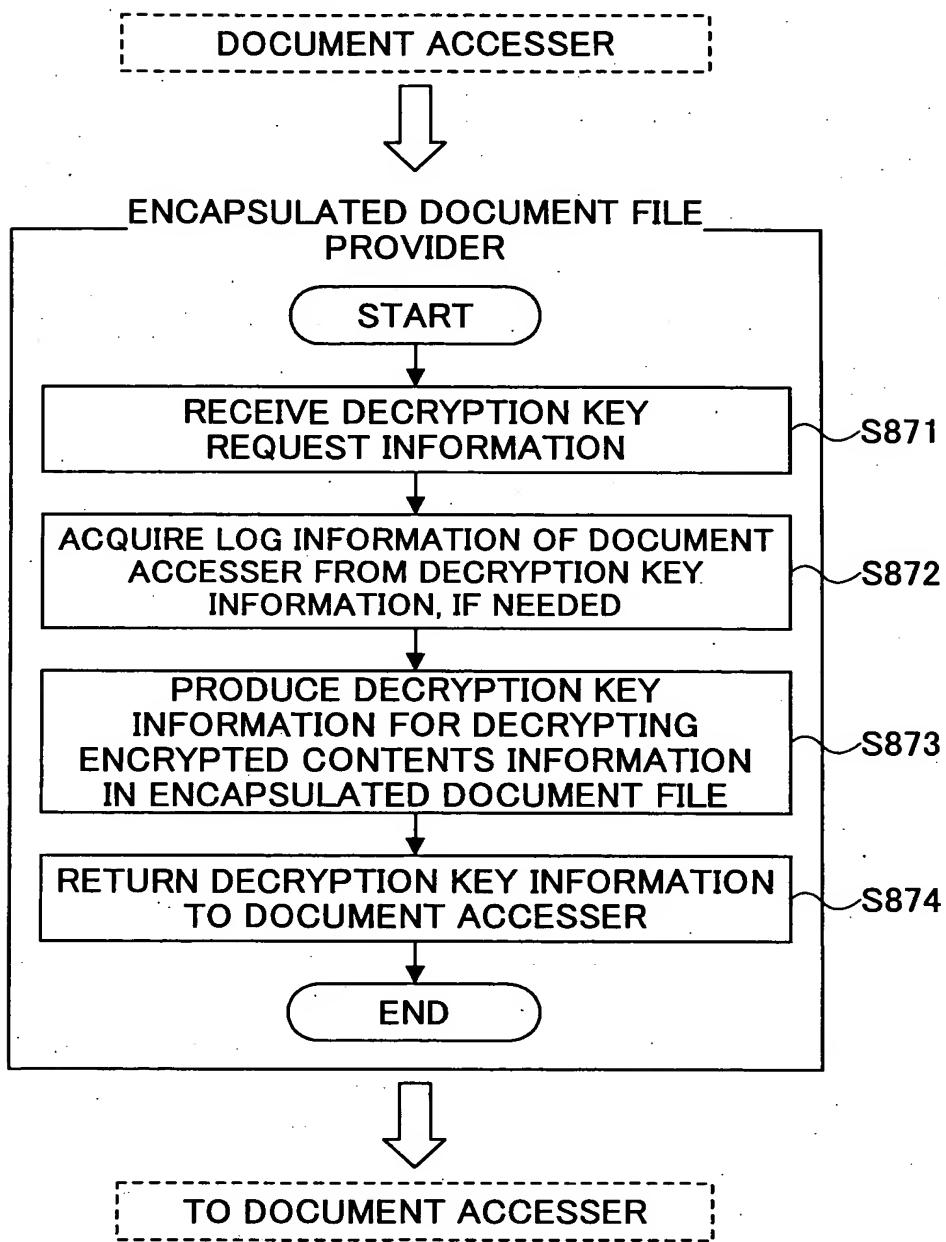


FIG.111

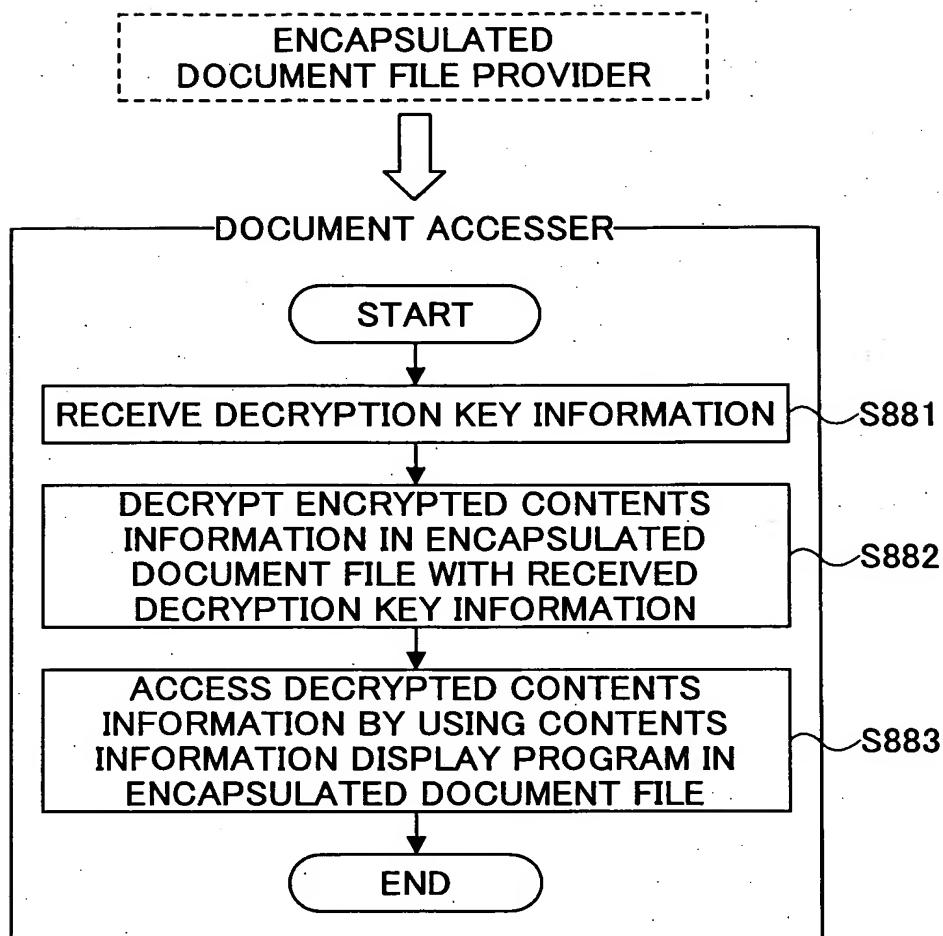


FIG. 112

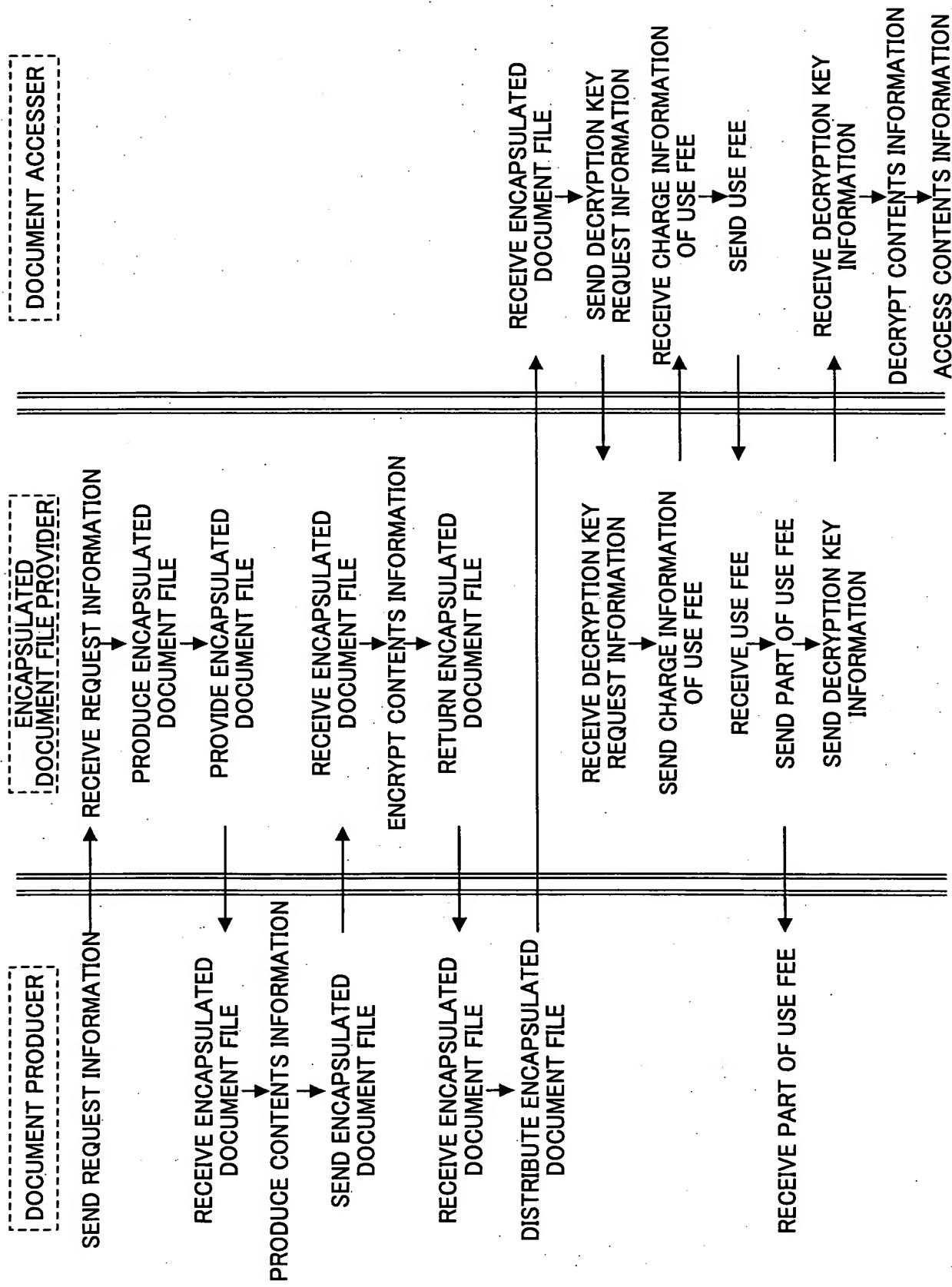


FIG. 113

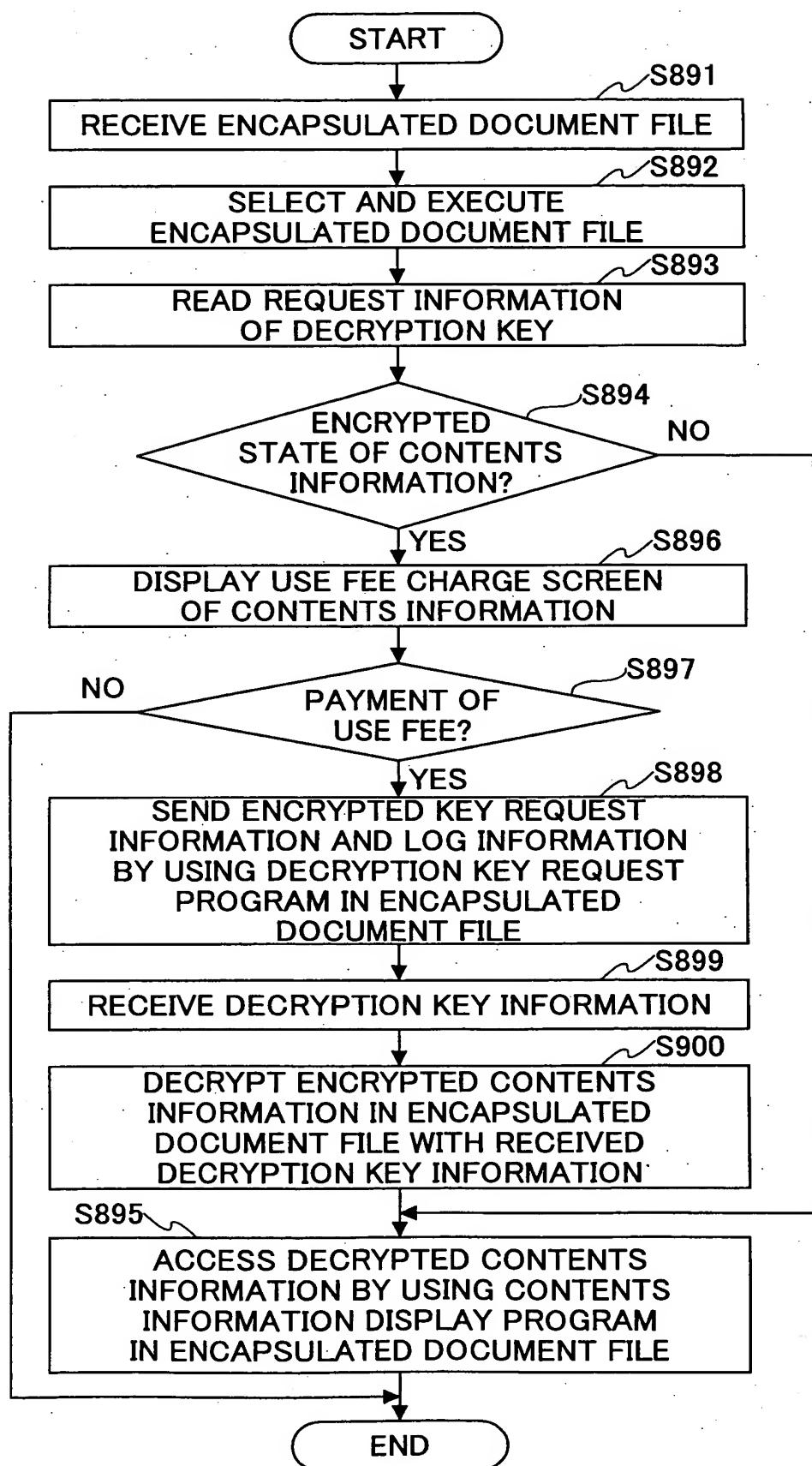


FIG.114

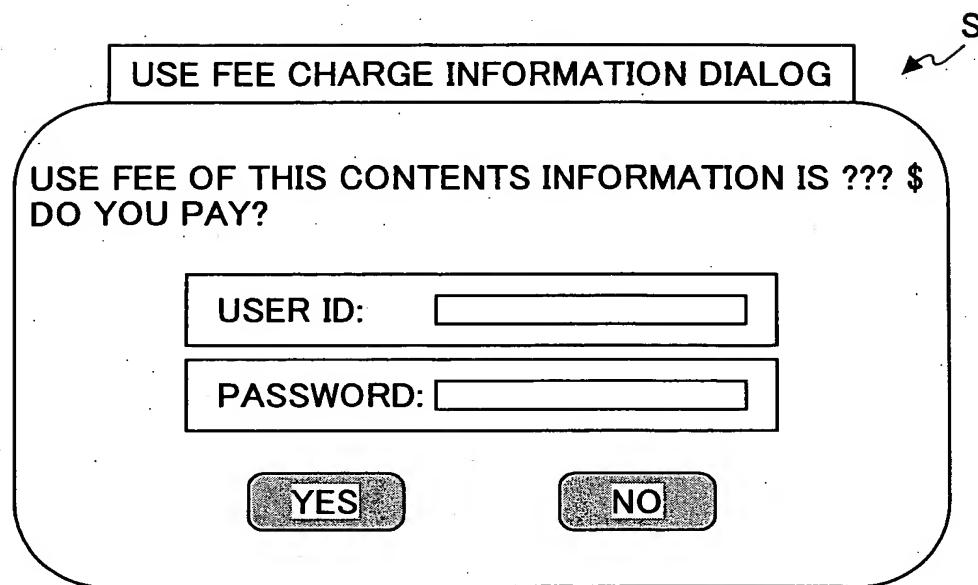


FIG.115

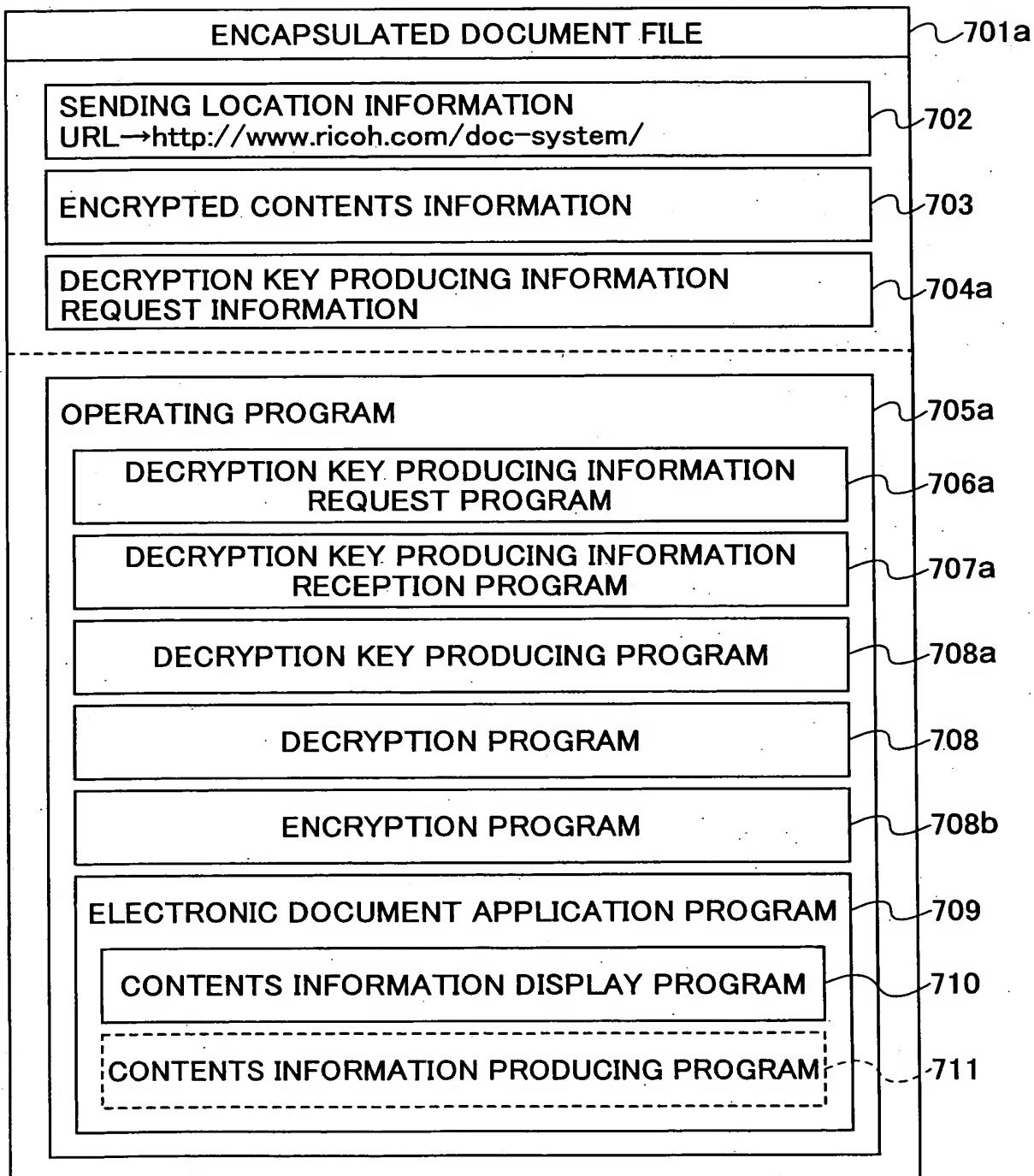


FIG.116

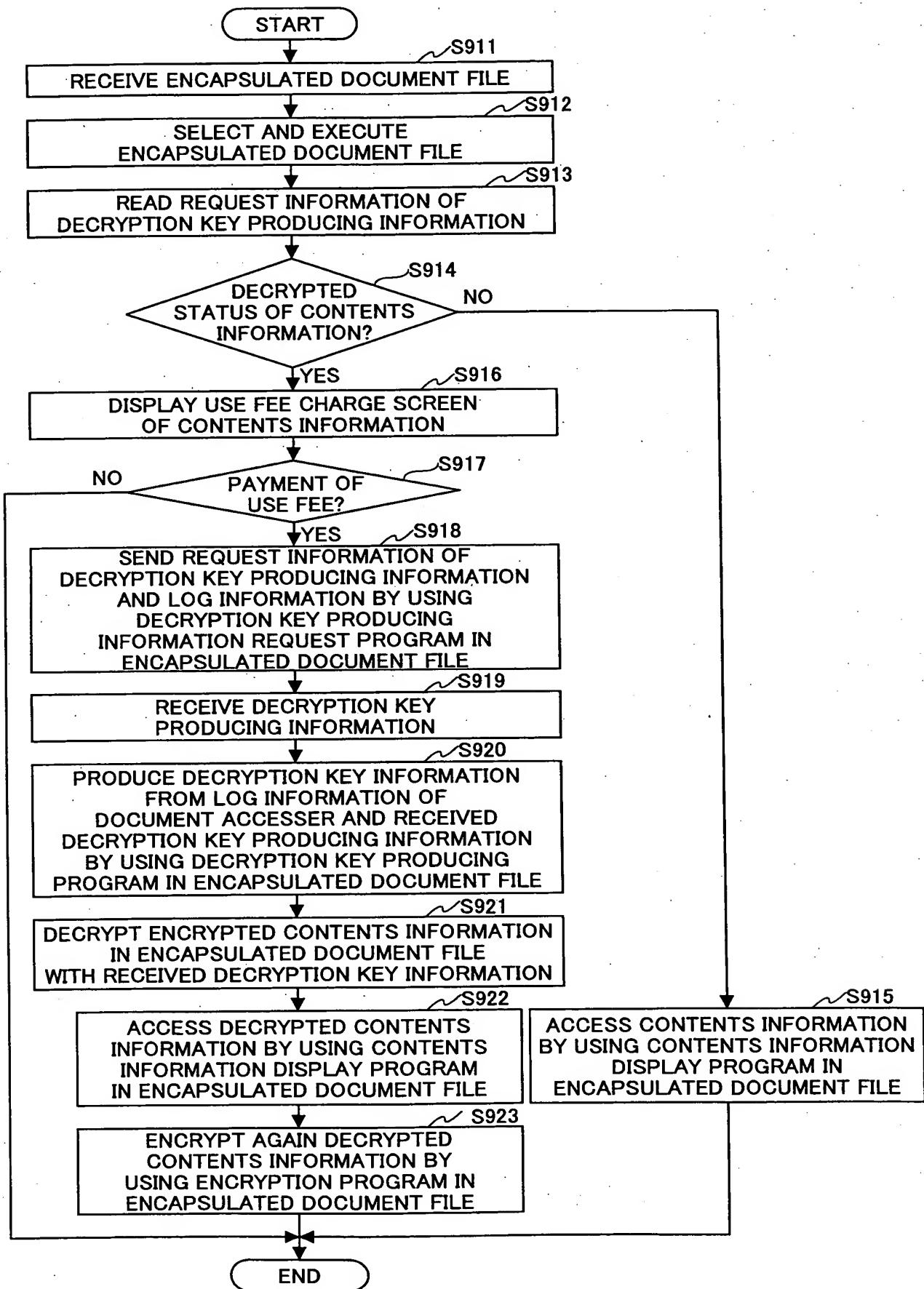


FIG.117

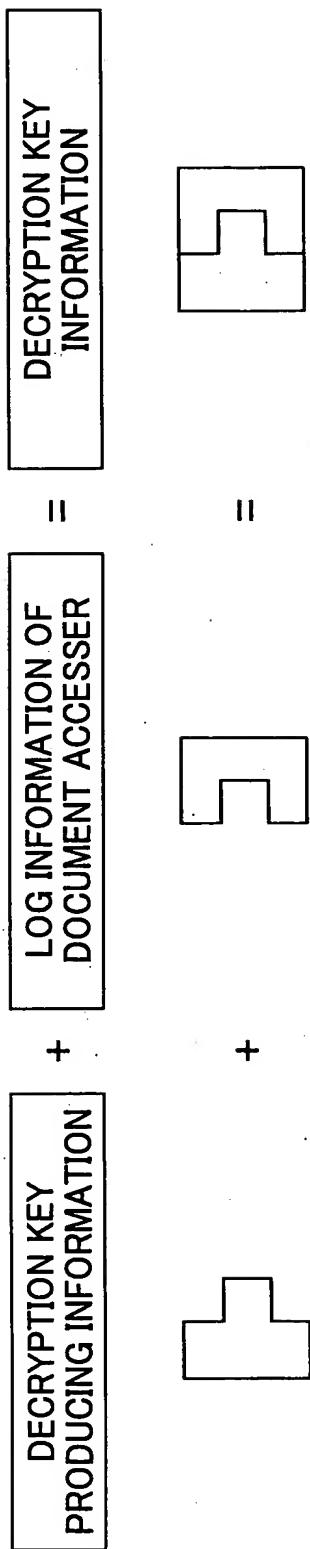


FIG. 118

